APPENDIX 1.0-1

Notice of Preparation

City of Milpitas
Planning Department
455 East Calaveras Boulevard
Main: (408) 586-3279 | www.milpitas.gov/planningdepartment/

Notice of Preparation Draft Environmental Impact Report and Public Scoping Meeting for the Proposed Pulte Homes Residential Development

TO: Agencies, Organizations, and Interested Parties **DATE:** November 11, 2022

The City of Milpitas (City) Planning Department, as the Lead Agency under the California Environmental Quality Act (CEQA), is preparing an Environmental Impact Report (EIR) for the proposed Pulte Homes Residential Development ("Proposed Project"). The City is requesting identification of environmental issues and information that you or your organization believes should be considered in the EIR. The City is also conducting a scoping meeting for this Proposed Project as further described below. The Proposed Project would include the development of up to two hundred and six (206) new residential units on a 6.69-acre site located at 1355 California Circle. This equates to an overall site density of 30.8 dwelling units per-acre. The site currently is occupied by a 90,000 square foot building that has been vacant for several years.

PROJECT LOCATION

The proposed site is located at 1355 California Circle (Assessor's Parcel Number: 22-338-007) located towards the northern edge of the City of Milpitas (please see **Figure 1, Regional Context**). The Proposed Project is comprised of 6.69 acres located east of Interstate 880 and a 35'-wide storm drain channel, west of California Circle. The Proposed Project is zoned Industrial; similar uses surround the project site with some Residential zones located northeast and southeast of the project site (please see **Figure 2, Project Site**).

PROJECT DESCRIPTION

The Proposed Project includes:

- Five (5) buildings of seven units per building of three-storied townhomes. These 35 "market rate" for sale units, would range in size from just over 1,500 square feet up to 1,850 square feet, and all be comprised of three-bedroom units. Two of the five buildings would have frontage onto California Circle.

- Eight buildings of twelve units per building of storied condo/flats. These 96 units would also be offered as "market rate" for sale units and would range in size from approximately 1,450 square feet up to just over 2,000 square feet. The units are predominantly three bedrooms but with an option to create a fourth bedroom on a portion of the units.

- A six storied apartment complex, in the northeast corner of the site, which would contain 75 residential units. These units would be comprised of studio, one-bedroom, and two-bedroom units which are proposed to be offered at "below market rate" (BMR) rental prices. It is anticipated that of these 75 BMR units, a minimum of 20 units would be offered at the "low-income rental rate" with the remaining units being offered at a "moderate rental rate" (MRR).

The purpose of the Proposed Project includes:

- Increase housing opportunities for those that wish to live in Milpitas
- Redevelop underutilized and vacant land
- Implement sustainable building practices to showcase energy efficiency and low water use

ISSUES TO BE ADDRESSED IN THE EIR

Based on the project description and the Lead Agency's understanding of the environmental issues associated with the Proposed Project, it is anticipated that implementation of the Proposed Project has the potential to result in significant environmental effects associated with some or all of the following topics, consistent with Appendix G of the *CEQA Guidelines* and analyzed in detail in the EIR:

- Aesthetics
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

The EIR will analyze the reasonably foreseeable indirect physical changes to the environment in the above topic areas caused by the Proposed Project. The City does not anticipate impacts in the following categories and as such, these impacts will not be discussed in detail in the EIR: Agriculture and Forestry Resources, and Mineral Resources.

NOTICE OF PUBLIC SCOPING MEETING

Pursuant to California Public Resources Code Sections 21083.9, 21092.2, and California Code of Regulations, Title 14 (*CEQA Guidelines*) Sections 15082 and 15083, the City, as the Lead Agency, will conduct a Scoping Meeting for the purpose of soliciting oral and written comments from interested parties requesting notice; responsible agencies; agencies with jurisdiction by law; trustee agencies; and involved federal agencies, including transportation agencies, as to the appropriate scope and content of the EIR.

The scoping meeting is scheduled as follows:

Date: November 30, 2022 | **Time:** 6:00PM
Zoom Registration Link: https://ci-milpitas-ca-gov.zoom.us/meeting/register/tZ0sfuiqqzMtHNOBdHhTVnfqyvtlQIKiSXZb

ALL INTERESTED PARTIES ARE INVITED TO ATTEND THE PUBLIC SCOPING MEETING TO ASSIST IN IDENTIFYING ISSUES TO BE ADDRESSED IN THE EIR. ATTENDEES WILL HAVE AN OPPORTUNITY TO PROVIDE INPUT TO THE CITY OF MILPITAS AND CONSULTANT TEAM PREPARING THE EIR.

RESPONSIBLE AND TRUSTEE AGENCIES

The City requests your agency's views on the scope and content of the environmental information relevant to your agency's statutory responsibilities in connection with the Proposed Project, in accordance with *CEQA Guidelines* Section 15082(b). Your agency will need to use the EIR prepared by the City when considering any permits or other project approvals that your agency must issue. As such, your responses to this Notice of Preparation (NOP), at a minimum, should identify: (1) significant environmental issues and reasonable alternatives and mitigation measures that your agency will need to have explored in the EIR; and (2) whether your agency will be a responsible or trustee agency for this project.

REVIEW AND RESPONSE PERIOD

In accordance with *CEQA Guidelines* Section 15082, this NOP is being circulated for a 30-day comment period. Responses to this NOP must be provided during this response period as outlined below:

November 14 – December 14, 2022

DOCUMENT AVAILABILITY

The NOP can be viewed on the City of Milpitas website at:

https://www.milpitas.gov/milpitas/departments/environmentaldocuments/

A hardcopy of the NOP will also be available at 455 East Calaveras Boulevard, Milpitas, CA 95035.

For more information about the 1355 California Circle project, please visit the project website at: https://www.milpitas.gov/PulteHomes

SUBMITTAL OF WRITTEN COMMENTS

The Lead Agency solicits comments regarding the scope, content, and specificity of the EIR from all interested parties requesting notice, responsible agencies, agencies with jurisdiction by law, trustee agencies, and involved agencies. The City of Milpitas requests that written comments be provided at the earliest possible date, but **no later than December 14, 2022**.

Please submit comments electronically via email or send a hard copy via mail (including name and contact information) to the following:

Email: planningdepartment@milpitas.gov

Mail:
ATTN: Lillian VanHua, Senior Planner
City of Milpitas, Planning Department
455 East Calaveras Boulevard
Milpitas, CA 95035

30-DAY NOP COMMENT PERIOD:	**SCOPING MEETING:**
November 14 – December 14, 2022	Date: November 30, 2022 | Time: 6:00 PM Zoom Registration Link: https://ci-milpitas-ca-gov.zoom.us/meeting/register/tZ0sfuiqqzMtHNOBdHhTVnfqyvtlQIKiSXZb

Lillian VanHua, Senior Planner
City of Milpitas

Attachments:

- Figure 1, Regional Context
- Figure 2, Project Site



SOURCE: Esri, 2022

FIGURE **1**

IMPACT SCIENCES

Regional Context

1451.001•10/22



SOURCE: Esri, 2022

FIGURE **2**

IMPACT SCIENCES

Project Site

1451.001•10/22

APPENDIX 1.0-2

Notice of Preparation Comment Letters

From:	Lillian VanHua
To:	Margaret Lin; Michael Fossati
Subject:	Fwd: Pulte Homes NOP Comments
Date:	Wednesday, December 14, 2022 1:24:11 PM
Attachments:	Pulte Homes NOP Caltrans.pdf

See attached.

Get Outlook for iOS

From: Kashkouli, Abteen@DOT <abteen.kashkouli@dot.ca.gov>
Sent: Wednesday, December 14, 2022 10:15:19 AM
To: Lillian VanHua <lvanhua@milpitas.gov>
Cc: state.clearinghouse@opr.ca.gov <state.clearinghouse@opr.ca.gov>
Subject: Pulte Homes NOP Comments

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links.

Dear Lillian VanHua,

Thanks for the opportunity to provide our comments. Attached you will see our response letter. If you have any questions, please feel free to contact us at: LDR-D4@dot.ca.gov.

Please note, we have non-CEQA transportation comments for your consideration, which includes the following:

"If a non-CEQA transportation analysis is conducted, Caltrans recommends an analysis to determine potential impacts associated with the project on State highway/freeway mainlines, on-ramps, off-ramps and connectors. Additionally, demonstrate that the increase in traffic demands expected according to the ITE Trip Generation Manual does not adversely impact safety nor operations of intersections in immediate proximity to State facilities, including the Dixon Landing ramp intersections."

California Department of Transportation

DISTRICT 4
OFFICE OF REGIONAL AND COMMUNITY PLANNING
P.O. BOX 23660, MS–10D | OAKLAND, CA 94623-0660
www.dot.ca.gov

December 14, 2022

SCH #: 2022110251
GTS #: 04-SCL-2022-01144
GTS ID: 28215
Co/Rt/Pm: SC/880/10.0

Lillian VanHua, Senior Planner
City of Milpitas/County of Santa Clara
455 East Calaveras Boulevard
Milpitas, CA 95035

Re: Pulte Homes Residential Development at 1355 California Circle- Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR)

Dear Lillian VanHua:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Pulte Homes Residential Development. We are committed to ensuring that impacts to the State's multimodal transportation system and to our natural environment are identified and mitigated to support a safe, sustainable, integrated and efficient transportation system. The following comments are based on our review of the November 2022 NOP.

Project Understanding
The proposed project would include the development of up to two hundred and six (206) new residential units on a 6.69-acre site located at 1355 California Circle. The project is adjacent to Interstate (I)-880.

Transportation Impact Analysis
With the enactment of Senate Bill (SB) 743, Caltrans is focused on maximizing efficient development patterns, innovative travel demand reduction strategies, and multimodal improvements. For more information on how Caltrans assesses Transportation Impact Studies, please review Caltrans' Transportation Impact Study Guide (*link*).

If the project meets the screening criteria established in the City's adopted Vehicle Miles Traveled (VMT) policy to be presumed to have a less-than-significant VMT impact and exempt from detailed VMT analysis, please provide justification to support the exempt status in alignment with the City's VMT policy. Projects that do not meet the

screening criteria should include a detailed VMT analysis in the DEIR, which should include the following:

- VMT analysis pursuant to the City's guidelines. Projects that result in automobile VMT per capita above the threshold of significance for existing (i.e. baseline) city-wide or regional values for similar land use types may indicate a significant impact. If necessary, mitigation for increasing VMT should be identified. Mitigation should support the use of transit and active transportation modes. Potential mitigation measures that include the requirements of other agencies such as Caltrans are fully enforceable through permit conditions, agreements, or other legally-binding instruments under the control of the City;
- A schematic illustration of walking, biking and auto conditions at the project site and study area roadways;
- The project's primary and secondary effects on pedestrians, bicycles, travelers with disabilities and transit performance should be evaluated, including countermeasures and trade-offs resulting from mitigating VMT increases. Access to pedestrians, bicycle, and transit facilities must be maintained.

Mitigation Strategies
Location efficiency factors, including community design and regional accessibility, influence a project's impact on the environment. Using Caltrans' Smart Mobility Framework Guide 2020 (*link)*, the proposed project site is identified as a suburban community/area which generally have moderate to weak community design elements and can vary in terms of regional accessibility. Given the place, type and size of the project, the DEIR should include a robust Transportation Demand Management (TDM) Program to reduce VMT and greenhouse gas emissions from future development in this area.

Additionally, please consider implementing or contributing the project's fair share to the following improvements to increase bicycle/pedestrian connectivity and reduce VMT impacts:

- Incorporate site improvements such as including bicycle parking (indoor bike parking for the apartment building units), incorporate sidewalks that are at least 8 ft wide and incorporating shade trees and landscaping that positively contribute to walkability and a comfortable pedestrian environment; and
- Coordinate with the City to contribute to nearby bikeway and pedestrian improvements such as improvements to the Penitencia Creek Trail improvement identified in the Milpitas Trail, Pedestrian and Bicycle Master Plan, including trail access improvements and trail expansion. https://www.milpitas.gov/wp-content/uploads/2022/10/Milpitas_FinalPlan_20221017-Errata.pdf;

Hydrology
Please demonstrate that water runoff from the proposed project is contained (intercepted and connected to a suitable Storm water drainage system) within the property and does not encroach Caltrans' right of way (ROW).

Construction-Related Impacts
Potential impacts to Caltrans' ROW from project-related temporary access points should be analyzed. Mitigation for significant impacts due to construction and noise should be identified. Project work that requires movement of oversized or excessive load vehicles on State roadways requires a transportation permit that is issued by Caltrans. To apply, visit: https://dot.ca.gov/programs/traffic-operations/transportation-permits.

Prior to construction, coordination may be required with Caltrans to develop a Transportation Management Plan (TMP) to reduce construction traffic impacts to the State Transportation Network (STN).

Utilities
Any utilities that are proposed, moved or modified within Caltrans' ROW shall be discussed. If utilities are impacted by the project, provide site plans that show the location of existing and/or proposed utilities. These modifications require a Caltrans-issued encroachment permit.

Equitable Access
If any Caltrans facilities are impacted by the project, those facilities must meet American Disabilities Act (ADA) Standards after project completion. Additionally, the Caltrans Complete Streets policy and Equity goals should be taken into consideration, including ensuring safe access and use by all users and integrating the local public transit access plans, bike path routing and pedestrian facilities.

These access considerations support Caltrans' equity mission to provide a safe, sustainable, and equitable transportation network for all users.

Encroachment Permit
Please be advised that any permanent work or temporary traffic control that encroaches onto Caltrans' ROW requires a Caltrans-issued encroachment permit. As part of the encroachment permit submittal process, you may be asked by the Office of Encroachment Permits to submit a completed encroachment permit application package, digital set of plans clearly delineating Caltrans' ROW, digital copy of signed, dated and stamped (include stamp expiration date) traffic control plans, this comment letter, your response to the comment letter, and where applicable, the following items: new or amended Maintenance Agreement (MA), approved Design Standard Decision Document (DSDD), approved encroachment exception request,

and/or airspace lease agreement. Your application package may be emailed to D4Permits@dot.ca.gov.

Please note that Caltrans is in the process of implementing an online, automated, and milestone-based Caltrans Encroachment Permit System (CEPS) to replace the current permit application submittal process with a fully electronic system, including online payments. The new system is expected to be available during 2022. To obtain information about the most current encroachment permit process and to download the permit application, please visit https://dot.ca.gov/programs/traffic-operations/ep/applications.

Thank you again for including Caltrans in the environmental review process. Should you have any questions regarding this letter, or for future notifications and requests for review of new projects, please email LDR-D4@dot.ca.gov.

Sincerely,

Mark Leong

MARK LEONG
District Branch Chief
Local Development Review

c: State Clearinghouse

From: Michael Fossati
To: Margaret Lin
Cc: Lillian VanHua
Subject: FW: City of Milpitas Pulte Homes Residential Development (SCH #2022110251) - CGS comments
Date: Friday, December 16, 2022 8:49:00 PM

Hi Margaret – Here is another comment.

Regards,
Michael

From: Planning Department <planningdepartment@milpitas.gov>
Sent: Wednesday, December 14, 2022 2:00 PM
To: Michael Fossati <mfossati@milpitas.gov>
Subject: FW: City of Milpitas Pulte Homes Residential Development (SCH #2022110251) - CGS comments

This one too.

JT

From: Frost, Erik@DOC <Erik.Frost@conservation.ca.gov>
Sent: Wednesday, December 14, 2022 1:26 PM
To: Planning Department <planningdepartment@milpitas.gov>
Cc: OPR State Clearinghouse <State.Clearinghouse@opr.ca.gov>; OLRA@DOC <OLRA@conservation.ca.gov>
Subject: City of Milpitas Pulte Homes Residential Development (SCH #2022110251) - CGS comments

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Hello Lillian VanHua,

The California Geological Survey (CGS) has received a Notice of Preparation of a Draft Environmental Impact Report (DEIR) for the proposed Pulte Homes Residential Development in the City of Milpitas. This email conveys the following comments from CGS concerning geologic issues related to the planning area:

1. Liquefaction Hazards
   The CGS has prepared an Earthquake Zone of Required Investigation Map (EZRIM) for the Milpitas quadrangle. As shown in the EZRIM, the project site is within a zone of required investigation for liquefaction. The DEIR should acknowledge this zone of required investigation, and geotechnical studies of the site submitted to the City should include an assessment of the potential hazard and mitigation strategies as appropriate. Additional information is available at the links below:
   https://maps.conservation.ca.gov/cgs/EQZApp/app/

https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps

If you have any additional comments or questions, please feel free to call or email.

Erik

Dr. Erik Frost
Senior Engineering Geologist | Seismic Hazards Program
California Geological Survey
715 P Street, MS 1901, Sacramento, CA 95814
(916) 205-8255
erik.frost@conservation.ca.gov

Department of Toxic Substances Control

Yana Garcia
Secretary for
Environmental Protection

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

Gavin Newsom
Governor

SENT VIA ELECTRONIC MAIL

December 12, 2022

Ms. Lillian VanHua
Senior Planner
City of Milpitas, Planning Department
455 East Calaveras Boulevard
Milpitas, CA 95035
PlanningDepartment@milpitas.gov

NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE PULTE HOMES RESIDENTIAL DEVELOPMENT AT 1355 CALIFORNIA CIRCLE – DATED NOVEMBER 11, 2022 (STATE CLEARINGHOUSE NUMBER: 2022110251)

Dear Ms. VanHua:

The Department of Toxic Substances Control (DTSC) received a Notice of Preparation of a Draft Environmental Impact Report (DEIR) for the Pulte Homes Residential Development at 1355 California Circle (Project). The Lead Agency is receiving this notice from DTSC because the Project includes one or more of the following: groundbreaking activities, work in close proximity to a roadway, presence of site buildings that may require demolition or modifications, importation of backfill soil, and/or work on or in close proximity to an agricultural or former agricultural site.

The listings compiled in accordance with California Government Code Section 65962.5, commonly known as the Cortese List, are frequently referenced in CEQA documents. However, not all sites impacted by hazardous waste or hazardous materials will be found on the Cortese List. DTSC recommends that the Hazards and Hazardous Materials section of the DEIR address actions to be taken for any sites impacted by hazardous waste or hazardous materials within the Project area, not just those found on the Cortese List. DTSC recommends consulting with other agencies that may provide oversight to hazardous waste facilities and sites in order to determine a comprehensive listing of all sites impacted by hazardous waste or hazardous materials within the Project area. DTSC hazardous waste facilities and sites with known or suspected contamination issues can be found on DTSC's EnviroStor data management system. The EnviroStor Map feature can be used to locate hazardous waste facilities and sites

for a county, city, or a specific address. A search within EnviroStor indicates that numerous hazardous waste facilities and sites are present within the Project's region.

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

1. A State of California environmental regulatory agency such as DTSC, a Regional Water Quality Control Board (RWQCB), or a local agency that meets the requirements of Health and Safety Code section 101480 should provide regulatory concurrence that THE PROJECT SITE is safe for construction and the proposed use.
2. The DEIR should acknowledge the potential for historic or future activities on or near the Project site 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 DEIR 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.
3. 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 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 DEIR.
4. If buildings or other structures are to 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*.

5. 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*.

6. 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 DEIR. DTSC recommends the current and former agricultural lands be evaluated in accordance with DTSC's 2008 *Interim Guidance for Sampling Agricultural Properties (Third Revision)*.

DTSC appreciates the opportunity to comment on the DEIR. Should you need any assistance with an environmental investigation, please visit DTSC's Site Mitigation and Restoration Program page to apply for lead agency oversight. Additional information regarding voluntary agreements with DTSC can be found at DTSC's Brownfield website.

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

Sincerely,



Gavin McCreary, M.S.
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

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

From: Michael Fossati
To: Margaret Lin
Cc: Lillian VanHua
Subject: FW: Pulte Homes Residential Development NOP Comments (File 34818)
Date: Wednesday, December 14, 2022 7:47:24 PM
Attachments: image001.png
image002.png
image003.png

Hi Margaret – Wanted to make sure you had the following comments.

Thanks,
Michael

Michael Fossati
Senior Planner
City of Milpitas | Planning Department
Phone (408) 586-3274
Email mfossati@milpitas.gov
455 E. Calaveras Blvd., Milpitas CA 95035
Online Payment Portal

From: Jason Miguel <JMiguel@valleywater.org>
Sent: Wednesday, December 14, 2022 4:56 PM
To: Michael Fossati <mfossati@milpitas.gov>
Cc: Planning Department <planningdepartment@milpitas.gov>; Kevin Thai <KThai@valleywater.org>
Subject: Re: Pulte Homes Residential Development NOP Comments (File 34818)

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Hi Michael,

The Santa Clara Valley Water District (Valley Water) has reviewed the Notice of Preparation (NOP) of an Environmental Impact Report (EIR) for the City of Milpitas received on 11/14/2022 for the proposed Pulte Homes Residential Development. Based on our review of the NOP we have the following comments:

1. Both the City of Milpitas' and Valley Water's Urban Water Management Plan assumes expanded water conservation efforts throughout the County in order for water supplies to meet future demands, therefore, new residential units and landscaping should include water conservation features that go beyond established minimum requirements to ensure that impacts to water supply from future growth are minimized.
2. Current Federal Emergency Management Agency (FEMA) Federal Insurance Rate Map (FIRM)

Panel 06085C0058J, effective February 19, 2014, shows the Pulte Homes Residential Development site is located within a Special Flood Hazard Area (SFHA) Zone AH, which would be subject to a base flood elevation (BFE) of 15 feet (NAVD 88). The EIR should assess flooding impacts at the Pulte Homes Residential Development and ensure that it does not adversely impact flooding, both in terms of depth and lateral extent.

If you have any questions, or need further information, you can reach me at (408) 630-2976, or by email at JMiguel@valleywater.org.

Please reference Valley Water File No. 34818 on future correspondence regarding this project.

Thanks,

JASON MIGUEL

ASSISTANT ENGINEER I

Community Projects Review Unit

JMiguel@valleywater.org

Tel. (408) 630-2976 / Cell. (408) 761-5789

Santa Clara Valley Water District is now known as:

Valley Water

Clean Water • Healthy Environment • Flood Protection

VALLEY WATER

5750 Almaden Expressway, San Jose CA 95118
www.valleywater.org

From: Michael Fossati <mfossati@milpitas.gov>
Sent: Wednesday, December 14, 2022 1:23 PM
To: Jason Miguel <JMiguel@valleywater.org>
Cc: Planning Department <planningdepartment@milpitas.gov>
Subject: FW: Pulte Homes Residential Development NOP Comments (File 34818)

***** This email originated from outside of Valley Water. Do not click links or open attachments unless you recognize the sender and know the content is safe. *****

Hi Jason – Thank you for the e-mail. We will gladly accept comments after the 12/12 deadline. We want to make sure all partner agencies are heard regarding this project.

Thank you,

Michael Fossati
Senior Planner
City of Milpitas | Planning Department
Phone (408) 586-3274
Email mfossati@milpitas.gov
455 E. Calaveras Blvd., Milpitas CA 95035
Online Payment Portal

From: Jason Miguel <JMiguel@valleywater.org>
Sent: Monday, December 12, 2022 4:59 PM
To: Planning Department <planningdepartment@milpitas.gov>
Cc: Kevin Thai <KThai@valleywater.org>
Subject: Pulte Homes Residential Development NOP Comments (File 34818)

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Hi Lillian,

Is it possible to get an extension until end of day tomorrow, Tuesday the 12th, to provide comments for the NOP? Thank you for the flexibility.

Thanks,

JASON MIGUEL

ASSISTANT ENGINEER I

Community Projects Review Unit

JMiguel@valleywater.org

Tel. (408) 630-2976 / Cell. (408) 761-5789

Santa Clara Valley Water District is now known as:



VALLEY WATER

5750 Almaden Expressway, San Jose CA 95118
www.valleywater.org

APPENDIX 3.2

Air Quality Data

Project Summary

The 6.69-acre Project Site is located at 1355 California Circle between the I-880 and California Circle in the City of Milpitas (City). The Project Site is bound by industrial uses to the north and east, a vacant industrial parcel to the south, multi-family residential to the southeast, and park open space to the west. A storm drain channel is also located immediately west, between the Project Site and I-880. The Project Site is currently occupied with a vacant, two-story, 90,000 square-foot, industrial office building that is surrounded by a paved surface parking lot.

The Project would demolish the existing industrial office building and would construct for-sale market rate townhomes and an apartment complex in two buildout phases. Building construction of the 131 proposed townhomes (seven-plex and 12-plex townhomes) would occur during Phase 1 and building construction of the apartment complex with 75 affordable rental units would occur during Phase 2.

It is anticipated that Phase 1 would be operational by the year 2025 and Phase 2 would be operational by 2026. Parking for the townhomes would be provided in 262 attached garage spaces for residents and 53 surface parking spaces for guests. Resident and guest parking for the apartment complex would be provided in 59 spaces within a parking structure and 31 spaces within surface parking.

Parking Summary

	Project Component	Number of Attached Garage Spaces	Garage Square Footage	Number of Surface Parking Spaces	Parking Space Square Footage
Phase 1	Seven-Plex	70		53	
	Twelve-Plex	192			
	Total	**262**		**53**	
Phase 2	Apartment	59		31	
	Total	**59**		**31**	
	PROJECT TOTAL	**321**		**84**	

Construction Assumptions

Construction is expected to be completed in two phases, over a period of 28 months. Phase 1 would involve the demolition of the existing structure on-site (one month), the grading of the entire site (one month) and building construction (12 months) of the proposed seven-plex and twelve-plex townhomes. Paving (two months) and architectural coating/painting (one month) are assumed to overlap with the final months of the building construction phase for Phase 1 to provide a worst-case scenario.

For purposes of this analysis, Phase 1 details would be as follows:

- Demolition (one month); January 2024; Includes demolition of 90,000 sf existing building

(approximately 10,000 tons).
- Grading (one month); February 2024; Includes 22,800 cubic yards of soil import.
- Building construction (12 months); March 2024 – February 2025;
- Paving (2 months); January – February 2025; Includes approximately 1.6 acres of asphalt paving.
- Architectural coating/painting (one month); February 2025
- Operational year: 2025

Phase 2 would include the building construction (24 months) of the proposed apartment complex. Architectural coating/painting (two months) is assumed to overlap with the final months of the building construction phase for Phase 2 to provide a worst-case scenario.

For purposes of this analysis, Phase 2 timing would be as follows:

- Building construction (24 months); May 2024 – April 2026;
- Architectural coating/painting (two months); March – April 2026
- Operational year: 2026

Construction Equipment

The following is a summary of the equipment reviewed and confirmed by the project applicant. While the building construction phases may overlap, the following represents the daily equipment to be used on-site per day.

Phase	Equipment	Model Inputs
Demolition	Excavators	2
	Graders	1
	Concrete/Industrial Saws	2
	Skid Steer Loaders	
	Tractors/Loaders/Backhoes	2
	Rubber Tired Dozers	1
Grading	Excavator	2
	Grader	2
	Other Equipment	
	Paver	
	Paving Equipment	
	Roller	
	Scraper	
	Signal Board	4
	Skid Steer Loaders	2
	Tractors/Loaders/Backhoes	2
	Rubber Tired Dozers	
Building	Rubber Tired Loaders	2
	Skid Steer Loaders	2
	Trenchers	2
	Crane (Applicant confirmed	

	no cranes)	
	Forklifts	
	Generator Set	
	Welder	1
	Tractors/Loaders/Backhoes	1
Paving	Paver	2
	Paving Equipment	2
	Roller	2
Architectural Coating	Air Compressor	1

Operational VMT Assumptions

For operational impacts, land uses were matched to the Traffic Impact Analysis (TIA) to reflect the daily trip rates and average trip distances for the Project. The TIA designated 171 units (the apartment building and twelve-plex townhomes) as Multi Family Housing (Mid-Rise) and 35 units (the seven-plex townhomes) as Multi Family Housing (Low-Rise). Daily trip rates for Multi Family Housing (Mid-Rise) are 4.54 trips per dwelling unit and daily trip rates for Multi Family Housing (Low-Rise) are 6.74 trips per dwelling unit.

1355 California Circle - Phase 1 Construction Detailed Report

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Data Field	Value
Project Name	1355 California Circle - Phase 1 Construction
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	25.8
Location	37.44851546385219, -121.92025150968288
County	Santa Clara
City	Milpitas
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1904
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	131	Dwelling Unit	6.21	45,631	34,531	—	392	—
Parking Lot	53.0	Space	0.48	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.00	1.68	11.4	20.2	0.03	0.49	0.88	1.37	0.45	0.21	0.66	—	3,613	3,613	0.14	0.11	4.52	3,653
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.15	35.0	26.9	31.6	0.09	0.98	3.68	4.66	0.88	0.76	1.56	—	12,387	12,387	0.90	1.55	0.56	12,873
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.53	2.07	9.88	14.4	0.02	0.40	0.91	1.31	0.36	0.21	0.57	—	3,246	3,246	0.16	0.19	1.91	3,309
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.28	0.38	1.80	2.63	< 0.005	0.07	0.17	0.24	0.07	0.04	0.10	—	537	537	0.03	0.03	0.32	548

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	2.00	1.68	11.4	20.2	0.03	0.49	0.88	1.37	0.45	0.21	0.66	—	3,613	3,613	0.14	0.11	4.52	3,653
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.15	2.41	26.9	24.5	0.09	0.98	3.68	4.66	0.88	0.76	1.56	—	12,387	12,387	0.90	1.55	0.56	12,873
2025	3.03	35.0	19.0	31.6	0.04	0.79	1.16	1.95	0.73	0.28	1.01	—	5,445	5,445	0.21	0.13	0.14	5,490
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.53	1.23	9.88	14.4	0.02	0.40	0.91	1.31	0.36	0.21	0.57	—	3,246	3,246	0.16	0.19	1.91	3,309
2025	0.34	2.07	2.15	3.55	< 0.005	0.09	0.12	0.21	0.08	0.03	0.11	—	617	617	0.02	0.01	0.25	622
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.28	0.22	1.80	2.63	< 0.005	0.07	0.17	0.24	0.07	0.04	0.10	—	537	537	0.03	0.03	0.32	548
2025	0.06	0.38	0.39	0.65	< 0.005	0.02	0.02	0.04	0.02	0.01	0.02	—	102	102	< 0.005	< 0.005	0.04	103

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.28	21.1	21.6	0.03	0.91	—	0.91	0.84	—	0.84	—	3,298	3,298	0.13	0.03	—	3,310
Demolition	—	—	—	—	—	—	2.64	2.64	—	0.40	0.40	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.27	1.30	< 0.005	0.06	—	0.06	0.05	—	0.05	—	199	199	0.01	< 0.005	—	199
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.07	0.76	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	162	162	< 0.005	0.01	0.02	164
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.35	0.07	4.60	2.10	0.02	0.06	0.25	0.31	0.04	0.08	0.12	—	3,435	3,435	0.28	0.55	0.19	3,607
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	9.87	9.87	< 0.005	< 0.005	0.02	10.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.27	0.13	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	207	207	0.02	0.03	0.19	218

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	34.3	34.3	< 0.005	0.01	0.03	36.0

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	14.1	17.4	0.03	0.65	—	0.65	0.60	—	0.60	—	2,686	2,686	0.11	0.02	—	2,695
Dust From Material Movement	—	—	—	—	—	—	0.44	0.44	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.85	1.05	< 0.005	0.04	—	0.04	0.04	—	0.04	—	162	162	0.01	< 0.005	—	162
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.8	26.8	< 0.005	< 0.005	—	26.9
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.13	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	243	243	0.01	0.01	0.03	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.97	0.19	12.7	5.77	0.06	0.17	0.69	0.86	0.11	0.23	0.34	—	9,458	9,458	0.78	1.52	0.53	9,932
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	14.8	14.8	< 0.005	< 0.005	0.03	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.75	0.35	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	570	570	0.05	0.09	0.53	599
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	94.4	94.4	0.01	0.02	0.09	99.2

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	10.7	15.8	0.02	0.49	—	0.49	0.45	—	0.45	—	2,405	2,405	0.10	0.02	—	2,413
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	10.7	15.8	0.02	0.49	—	0.49	0.45	—	0.45	—	2,405	2,405	0.10	0.02	—	2,413
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.25	9.27	0.01	0.29	—	0.29	0.26	—	0.26	—	1,407	1,407	0.06	0.01	—	1,412
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.14	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	233	233	0.01	< 0.005	—	234
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.33	0.25	4.14	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	825	825	0.01	0.03	3.51	838
Vendor	0.04	0.01	0.51	0.24	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	384	384	0.02	0.06	1.01	403

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.32	3.57	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	764	764	0.02	0.03	0.09	774
Vendor	0.04	0.01	0.54	0.25	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	384	384	0.02	0.06	0.03	402
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.17	2.05	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	452	452	0.01	0.02	0.88	459
Vendor	0.02	0.01	0.31	0.14	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	225	225	0.01	0.03	0.25	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.37	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	74.8	74.8	< 0.005	< 0.005	0.15	75.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	37.2	37.2	< 0.005	0.01	0.04	38.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.23	9.79	15.7	0.02	0.41	—	0.41	0.38	—	0.38	—	2,405	2,405	0.10	0.02	—	2,413

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.13	1.82	< 0.005	0.05	—	0.05	0.04	—	0.04	—	278	278	0.01	< 0.005	—	279
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.0	46.0	< 0.005	< 0.005	—	46.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.30	0.29	3.30	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	749	749	0.02	0.03	0.08	759
Vendor	0.04	0.01	0.51	0.24	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	378	378	0.02	0.05	0.03	395
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.38	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	87.4	87.4	< 0.005	< 0.005	0.16	88.7
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	43.6	43.6	< 0.005	0.01	0.05	45.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	14.5	14.5	< 0.005	< 0.005	0.03	14.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.22	7.22	< 0.005	< 0.005	0.01	7.55
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.88	1.18	< 0.005	0.04	—	0.04	0.04	—	0.04	—	178	178	0.01	< 0.005	—	179
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.5	29.5	< 0.005	< 0.005	—	29.6
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.53	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	119	119	< 0.005	0.01	0.01	121
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	14.2	14.2	< 0.005	< 0.005	0.03	14.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.35	2.35	< 0.005	< 0.005	< 0.005	2.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	32.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	1.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.66	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	150	150	< 0.005	0.01	0.02	152
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	8.30	8.30	< 0.005	< 0.005	0.02	8.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.37	1.37	< 0.005	< 0.005	< 0.005	1.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/8/2024	2/6/2024	5.00	22.0	—
Grading	Grading	2/7/2024	3/7/2024	5.00	22.0	—
Building Construction	Building Construction	3/8/2024	2/28/2025	5.00	256	—
Paving	Paving	1/1/2025	2/28/2025	5.00	43.0	—
Architectural Coating	Architectural Coating	2/1/2025	2/28/2025	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Demolition	Graders	Diesel	Average	1.00	8.00	148	0.41
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Grading	Signal Boards	Diesel	Average	4.00	8.00	6.00	0.82
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Building Construction	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Building Construction	Trenchers	Diesel	Average	2.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	20.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	47.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	30.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	130	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	94.3	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	14.0	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	18.9	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	92,403	30,801	0.00	0.00	1,255

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	90,000	—
Grading	22,800	—	22.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.48

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Parking Lot	0.48	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	204	0.03	< 0.005
2025	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.7	annual days of extreme heat
Extreme Precipitation	3.65	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	14.9	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract

Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	21.5
AQ-DPM	84.4
Drinking Water	18.6
Lead Risk Housing	29.1
Pesticides	0.00
Toxic Releases	41.7
Traffic	92.2
Effect Indicators	—
CleanUp Sites	94.9
Groundwater	87.5
Haz Waste Facilities/Generators	90.5
Impaired Water Bodies	33.2
Solid Waste	96.0
Sensitive Population	—
Asthma	14.3
Cardio-vascular	25.9
Low Birth Weights	44.2
Socioeconomic Factor Indicators	—
Education	43.4
Housing	46.0
Linguistic	86.8
Poverty	34.0
Unemployment	1.55

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	73.7071731
Employed	47.36301809
Median HI	63.77518286
Education	—
Bachelor's or higher	81.40639035
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	46.0284871
Active commuting	31.88759143
Social	—
2-parent households	88.99011934
Voting	59.79725395
Neighborhood	—
Alcohol availability	32.61901707
Park access	81.35506224
Retail density	69.71641216
Supermarket access	60.64416784
Tree canopy	44.71962017
Housing	—
Homeownership	37.1872193
Housing habitability	54.62594636
Low-inc homeowner severe housing cost burden	76.86385218
Low-inc renter severe housing cost burden	58.30873861
Uncrowded housing	32.59335301

Health Outcomes	—
Insured adults	81.00859746
Arthritis	93.9
Asthma ER Admissions	90.7
High Blood Pressure	83.5
Cancer (excluding skin)	71.8
Asthma	98.6
Coronary Heart Disease	93.8
Chronic Obstructive Pulmonary Disease	96.5
Diagnosed Diabetes	79.4
Life Expectancy at Birth	94.5
Cognitively Disabled	64.4
Physically Disabled	59.0
Heart Attack ER Admissions	72.3
Mental Health Not Good	94.2
Chronic Kidney Disease	90.3
Obesity	98.8
Pedestrian Injuries	44.3
Physical Health Not Good	93.9
Stroke	93.8
Health Risk Behaviors	—
Binge Drinking	95.6
Current Smoker	89.0
No Leisure Time for Physical Activity	64.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	14.9

Children	13.5
Elderly	57.9
English Speaking	7.9
Foreign-born	99.3
Outdoor Workers	93.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	19.1
Traffic Density	99.7
Traffic Access	69.3
Other Indices	—
Hardship	43.0
Other Decision Support	—
2016 Voting	57.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0
Healthy Places Index Score for Project Location (b)	66.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Square footage/landscaping based on project information from applicant.
Construction: Construction Phases	Assumed 14 month construction schedule.
Construction: Off-Road Equipment	Equipment list based on construction scenarios assumptions sheet.

1355 California Circle - Phase 2 Construction Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	1355 California Circle - Phase 2 Construction
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	25.8
Location	37.448600379543805, -121.92034674085377
County	Santa Clara
City	Milpitas
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1904
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	75.0	Dwelling Unit	0.66	38,927	0.00	—	224	—
Enclosed Parking with Elevator	59.0	Space	0.00	23,600	0.00	—	—	—
Parking Lot	31.0	Space	0.28	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.88	14.1	11.3	19.9	0.03	0.49	0.72	1.10	0.45	0.17	0.60	—	3,499	3,499	0.13	0.09	3.24	3,532
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.87	14.0	11.4	19.5	0.03	0.49	0.72	1.10	0.45	0.17	0.60	—	3,451	3,451	0.14	0.09	0.08	3,483
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.22	1.84	7.42	12.9	0.02	0.30	0.43	0.73	0.27	0.10	0.38	—	2,313	2,313	0.09	0.06	0.93	2,335
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.22	0.34	1.35	2.36	< 0.005	0.05	0.08	0.13	0.05	0.02	0.07	—	383	383	0.01	0.01	0.15	387

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	1.88	1.58	11.3	18.9	0.03	0.49	0.61	1.10	0.45	0.15	0.60	—	3,289	3,289	0.13	0.09	3.24	3,322
2025	1.73	1.45	10.4	18.5	0.03	0.42	0.61	1.03	0.38	0.15	0.53	—	3,273	3,273	0.13	0.09	3.01	3,305
2026	1.80	14.1	10.6	19.9	0.03	0.38	0.72	1.10	0.35	0.17	0.52	—	3,499	3,499	0.13	0.09	3.12	3,532
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.87	1.57	11.4	18.5	0.03	0.49	0.61	1.10	0.45	0.15	0.60	—	3,248	3,248	0.13	0.09	0.08	3,278
2025	1.71	1.44	10.4	18.2	0.03	0.42	0.61	1.03	0.38	0.15	0.53	—	3,233	3,233	0.13	0.09	0.08	3,262
2026	1.79	14.0	10.7	19.5	0.03	0.38	0.72	1.10	0.35	0.17	0.52	—	3,451	3,451	0.14	0.09	0.08	3,483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.89	0.75	5.43	8.84	0.01	0.24	0.29	0.52	0.22	0.07	0.29	—	1,560	1,560	0.06	0.04	0.67	1,575
2025	1.22	1.03	7.42	12.9	0.02	0.30	0.43	0.73	0.27	0.10	0.38	—	2,313	2,313	0.09	0.06	0.93	2,335
2026	0.40	1.84	2.39	4.40	0.01	0.09	0.15	0.24	0.08	0.04	0.12	—	785	785	0.03	0.02	0.30	793
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.16	0.14	0.99	1.61	< 0.005	0.04	0.05	0.10	0.04	0.01	0.05	—	258	258	0.01	0.01	0.11	261
2025	0.22	0.19	1.35	2.36	< 0.005	0.05	0.08	0.13	0.05	0.02	0.07	—	383	383	0.01	0.01	0.15	387
2026	0.07	0.34	0.44	0.80	< 0.005	0.02	0.03	0.04	0.01	0.01	0.02	—	130	130	0.01	< 0.005	0.05	131

3. Construction Emissions Details

3.1. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.60	1.34	10.7	15.8	0.02	0.49	—	0.49	0.45	—	0.45	—	2,405	2,405	0.10	0.02	—	2,413
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	10.7	15.8	0.02	0.49	—	0.49	0.45	—	0.45	—	2,405	2,405	0.10	0.02	—	2,413
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.12	7.60	0.01	0.23	—	0.23	0.22	—	0.22	—	1,153	1,153	0.05	0.01	—	1,157
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.93	1.39	< 0.005	0.04	—	0.04	0.04	—	0.04	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.81	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	559	559	0.01	0.02	2.38	568
Vendor	0.03	0.01	0.43	0.21	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	326	326	0.02	0.05	0.86	342
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.22	2.42	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	517	517	0.01	0.02	0.06	524

Vendor	0.03	0.01	0.46	0.21	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	326	326	0.02	0.05	0.02	341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.14	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	251	251	0.01	0.01	0.49	255
Vendor	0.02	0.01	0.21	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	156	156	0.01	0.02	0.18	164
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.21	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	41.5	41.5	< 0.005	< 0.005	0.08	42.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	25.9	25.9	< 0.005	< 0.005	0.03	27.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.23	9.79	15.7	0.02	0.41	—	0.41	0.38	—	0.38	—	2,405	2,405	0.10	0.02	—	2,413
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.23	9.79	15.7	0.02	0.41	—	0.41	0.38	—	0.38	—	2,405	2,405	0.10	0.02	—	2,413
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.00	11.2	0.02	0.29	—	0.29	0.27	—	0.27	—	1,718	1,718	0.07	0.01	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.28	2.05	< 0.005	0.05	—	0.05	0.05	—	0.05	—	284	284	0.01	< 0.005	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.15	2.61	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	548	548	0.01	0.02	2.16	556
Vendor	0.03	0.01	0.41	0.20	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	321	321	0.02	0.05	0.85	336
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.20	0.20	2.24	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	507	507	0.01	0.02	0.06	514
Vendor	0.03	0.01	0.43	0.20	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	321	321	0.02	0.05	0.02	335
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.58	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	366	366	0.01	0.01	0.67	372
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	229	229	0.01	0.03	0.26	239
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.29	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	60.7	60.7	< 0.005	< 0.005	0.11	61.5

Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	37.9	37.9	< 0.005	0.01	0.04	39.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.15	9.17	15.7	0.02	0.36	—	0.36	0.33	—	0.33	—	2,405	2,405	0.10	0.02	—	2,414
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.15	9.17	15.7	0.02	0.36	—	0.36	0.33	—	0.33	—	2,405	2,405	0.10	0.02	—	2,414
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.15	3.68	0.01	0.08	—	0.08	0.08	—	0.08	—	565	565	0.02	< 0.005	—	567
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.39	0.67	< 0.005	0.02	—	0.02	0.01	—	0.01	—	93.5	93.5	< 0.005	< 0.005	—	93.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.20	0.14	2.44	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	537	537	0.01	0.02	1.96	546
Vendor	0.03	0.01	0.39	0.19	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	315	315	0.02	0.05	0.77	330
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.18	2.08	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	498	498	0.01	0.02	0.05	505
Vendor	0.03	0.01	0.41	0.19	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	315	315	0.02	0.05	0.02	330
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.48	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	118	118	< 0.005	< 0.005	0.20	120
Vendor	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	74.0	74.0	< 0.005	0.01	0.08	77.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.6	19.6	< 0.005	< 0.005	0.03	19.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.1	16.1	< 0.005	< 0.005	—	16.1
Architectural Coatings	—	1.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.66	2.66	< 0.005	< 0.005	—	2.67
Architectural Coatings	—	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.49	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	107	107	< 0.005	< 0.005	0.39	109
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.42	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	99.6	99.6	< 0.005	< 0.005	0.01	101
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	12.1	12.1	< 0.005	< 0.005	0.02	12.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.01	2.01	< 0.005	< 0.005	< 0.005	2.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Building Construction	Building Construction	5/1/2024	4/30/2026	5.00	522	—
Architectural Coating	Architectural Coating	3/2/2026	4/30/2026	5.00	44.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Trenchers	Diesel	Average	2.00	8.00	40.0	0.50
Building Construction	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Building Construction	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	—	—	—	—
Building Construction	Worker	63.9	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	11.9	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	12.8	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	78,827	26,276	0.00	0.00	732

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.28	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	204	0.03	< 0.005
2025	0.00	204	0.03	< 0.005
2026	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.7	annual days of extreme heat
Extreme Precipitation	3.65	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	14.9	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	21.5
AQ-DPM	84.4
Drinking Water	18.6
Lead Risk Housing	29.1
Pesticides	0.00
Toxic Releases	41.7
Traffic	92.2
Effect Indicators	—
CleanUp Sites	94.9
Groundwater	87.5
Haz Waste Facilities/Generators	90.5
Impaired Water Bodies	33.2
Solid Waste	96.0
Sensitive Population	—
Asthma	14.3
Cardio-vascular	25.9

Low Birth Weights	44.2
Socioeconomic Factor Indicators	—
Education	43.4
Housing	46.0
Linguistic	86.8
Poverty	34.0
Unemployment	1.55

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	73.7071731
Employed	47.36301809
Median HI	63.77518286
Education	—
Bachelor's or higher	81.40639035
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	46.0284871
Active commuting	31.88759143
Social	—
2-parent households	88.99011934
Voting	59.79725395
Neighborhood	—
Alcohol availability	32.61901707

Park access	81.35506224
Retail density	69.71641216
Supermarket access	60.64416784
Tree canopy	44.71962017
Housing	—
Homeownership	37.1872193
Housing habitability	54.62594636
Low-inc homeowner severe housing cost burden	76.86385218
Low-inc renter severe housing cost burden	58.30873861
Uncrowded housing	32.59335301
Health Outcomes	—
Insured adults	81.00859746
Arthritis	93.9
Asthma ER Admissions	90.7
High Blood Pressure	83.5
Cancer (excluding skin)	71.8
Asthma	98.6
Coronary Heart Disease	93.8
Chronic Obstructive Pulmonary Disease	96.5
Diagnosed Diabetes	79.4
Life Expectancy at Birth	94.5
Cognitively Disabled	64.4
Physically Disabled	59.0
Heart Attack ER Admissions	72.3
Mental Health Not Good	94.2
Chronic Kidney Disease	90.3
Obesity	98.8

Pedestrian Injuries	44.3
Physical Health Not Good	93.9
Stroke	93.8
Health Risk Behaviors	—
Binge Drinking	95.6
Current Smoker	89.0
No Leisure Time for Physical Activity	64.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	14.9
Children	13.5
Elderly	57.9
English Speaking	7.9
Foreign-born	99.3
Outdoor Workers	93.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	19.1
Traffic Density	99.7
Traffic Access	69.3
Other Indices	—
Hardship	43.0
Other Decision Support	—
2016 Voting	57.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0

Healthy Places Index Score for Project Location (b)	66.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Building s.f. based on total of 62,527 s.f. per construction assumptions sheet.
Construction: Construction Phases	Assumed 24 month construction schedule.
Construction: Off-Road Equipment	Equipment list based on construction assumptions sheet.

1355 California Circle - Operations Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	1355 California Circle - Operations
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	25.8
Location	37.44847530298894, -121.92022336999344
County	Santa Clara
City	Milpitas
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1904
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	171	Dwelling Unit	4.50	146,320	34,531	—	511	—
Condo/Townhouse	35.0	Dwelling Unit	2.19	37,100	0.00	—	105	—
Enclosed Parking with Elevator	59.0	Space	0.00	17,840	0.00	—	—	—

Parking Lot	84.0	Space	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.01	9.94	7.13	65.2	0.16	0.30	5.12	5.42	0.30	0.90	1.20	96.4	17,909	18,006	10.3	0.53	52.0	18,472
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.64	8.62	7.75	46.1	0.15	0.30	5.12	5.41	0.29	0.90	1.19	96.4	17,018	17,115	10.3	0.57	2.63	17,545
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.97	9.04	5.53	51.2	0.14	0.14	5.12	5.26	0.14	0.90	1.04	96.4	14,637	14,733	10.3	0.55	23.2	15,176
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.91	1.65	1.01	9.34	0.02	0.03	0.93	0.96	0.02	0.16	0.19	16.0	2,423	2,439	1.70	0.09	3.84	2,513

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.47	3.98	4.33	51.6	0.14	0.08	5.12	5.20	0.08	0.90	0.98	—	14,009	14,009	0.42	0.47	50.7	14,211
Area	1.47	5.92	2.15	13.3	0.01	0.17	—	0.17	0.17	—	0.17	0.00	2,615	2,615	0.05	0.01	—	2,619
Energy	0.07	0.04	0.64	0.27	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,257	1,257	0.14	0.01	—	1,263
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	28.3	42.6	1.47	0.04	—	90.0
Waste	—	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.21	0.00	—	287
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.31	1.31
Total	6.01	9.94	7.13	65.2	0.16	0.30	5.12	5.42	0.30	0.90	1.20	96.4	17,909	18,006	10.3	0.53	52.0	18,472
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.33	3.83	5.08	45.0	0.13	0.08	5.12	5.20	0.08	0.90	0.98	—	13,152	13,152	0.45	0.52	1.32	13,319
Area	0.24	4.75	2.03	0.87	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,581	2,581	0.05	< 0.005	—	2,583
Energy	0.07	0.04	0.64	0.27	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,257	1,257	0.14	0.01	—	1,263
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	28.3	42.6	1.47	0.04	—	90.0
Waste	—	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.21	0.00	—	287
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.31	1.31
Total	4.64	8.62	7.75	46.1	0.15	0.30	5.12	5.41	0.29	0.90	1.19	96.4	17,018	17,115	10.3	0.57	2.63	17,545
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.28	3.79	4.79	44.7	0.13	0.08	5.12	5.20	0.08	0.90	0.98	—	13,271	13,271	0.44	0.50	21.9	13,453
Area	0.61	5.21	0.11	6.16	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	80.6	80.6	< 0.005	< 0.005	—	81.2
Energy	0.07	0.04	0.64	0.27	< 0.005	0.05	—	0.05	0.05	—	0.05	—	1,257	1,257	0.14	0.01	—	1,263
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	28.3	42.6	1.47	0.04	—	90.0
Waste	—	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.21	0.00	—	287
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.31	1.31
Total	4.97	9.04	5.53	51.2	0.14	0.14	5.12	5.26	0.14	0.90	1.04	96.4	14,637	14,733	10.3	0.55	23.2	15,176

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.78	0.69	0.87	8.16	0.02	0.02	0.93	0.95	0.01	0.16	0.18	—	2,197	2,197	0.07	0.08	3.63	2,227
Area	0.11	0.95	0.02	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	13.3	13.3	< 0.005	< 0.005	—	13.4
Energy	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	208	208	0.02	< 0.005	—	209
Water	—	—	—	—	—	—	—	—	—	—	—	2.37	4.68	7.05	0.24	0.01	—	14.9
Waste	—	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.36	0.00	—	47.6
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Total	0.91	1.65	1.01	9.34	0.02	0.03	0.93	0.96	0.02	0.16	0.19	16.0	2,423	2,439	1.70	0.09	3.84	2,513

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	3.43	3.06	3.32	39.6	0.11	0.06	3.92	3.99	0.06	0.69	0.75	—	10,744	10,744	0.32	0.36	38.9	10,899
Condo/Townhouse	1.04	0.93	1.01	12.0	0.03	0.02	1.19	1.21	0.02	0.21	0.23	—	3,265	3,265	0.10	0.11	11.8	3,312
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	4.47	3.98	4.33	51.6	0.14	0.08	5.12	5.20	0.08	0.90	0.98	—	14,009	14,009	0.42	0.47	50.7	14,211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	3.32	2.94	3.90	34.5	0.10	0.06	3.92	3.99	0.06	0.69	0.75	—	10,087	10,087	0.35	0.40	1.01	10,215
Condo/Townhouse	1.01	0.89	1.18	10.5	0.03	0.02	1.19	1.21	0.02	0.21	0.23	—	3,065	3,065	0.10	0.12	0.31	3,104
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.33	3.83	5.08	45.0	0.13	0.08	5.12	5.20	0.08	0.90	0.98	—	13,152	13,152	0.45	0.52	1.32	13,319
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.60	0.53	0.67	6.26	0.02	0.01	0.72	0.73	0.01	0.13	0.14	—	1,685	1,685	0.06	0.06	2.78	1,708
Condo/Townhouse	0.18	0.16	0.20	1.90	0.01	< 0.005	0.22	0.22	< 0.005	0.04	0.04	—	512	512	0.02	0.02	0.84	519
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.78	0.69	0.87	8.16	0.02	0.02	0.93	0.95	0.01	0.16	0.18	—	2,197	2,197	0.07	0.08	3.63	2,227

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	326	326	0.05	0.01	—	329
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	83.6	83.6	0.01	< 0.005	—	84.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	36.8	36.8	0.01	< 0.005	—	37.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	446	446	0.07	0.01	—	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	326	326	0.05	0.01	—	329
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	83.6	83.6	0.01	< 0.005	—	84.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	36.8	36.8	0.01	< 0.005	—	37.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	446	446	0.07	0.01	—	451
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	54.0	54.0	0.01	< 0.005	—	54.5
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	13.8	13.8	< 0.005	< 0.005	—	14.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	6.09	6.09	< 0.005	< 0.005	—	6.15
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	73.9	73.9	0.01	< 0.005	—	74.6

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.04	0.02	0.38	0.16	< 0.005	0.03	—	0.03	0.03	—	0.03	—	482	482	0.04	< 0.005	—	484
Condo/Townhouse	0.03	0.02	0.26	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	328	328	0.03	< 0.005	—	329
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.07	0.04	0.64	0.27	< 0.005	0.05	—	0.05	0.05	—	0.05	—	810	810	0.07	< 0.005	—	813
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.04	0.02	0.38	0.16	< 0.005	0.03	—	0.03	0.03	—	0.03	—	482	482	0.04	< 0.005	—	484
Condo/Townhouse	0.03	0.02	0.26	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	328	328	0.03	< 0.005	—	329
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.07	0.04	0.64	0.27	< 0.005	0.05	—	0.05	0.05	—	0.05	—	810	810	0.07	< 0.005	—	813
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	< 0.005	0.07	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	79.9	79.9	0.01	< 0.005	—	80.1
Condo/Townhouse	0.01	< 0.005	0.05	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.3	54.3	< 0.005	< 0.005	—	54.4
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	135

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.24	0.12	2.03	0.87	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,581	2,581	0.05	< 0.005	—	2,583
Consumer Products	—	3.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.23	1.16	0.12	12.5	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.4	34.4	< 0.005	< 0.005	—	35.4
Total	1.47	5.92	2.15	13.3	0.01	0.17	—	0.17	0.17	—	0.17	0.00	2,615	2,615	0.05	0.01	—	2,619
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.24	0.12	2.03	0.87	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,581	2,581	0.05	< 0.005	—	2,583
Consumer Products	—	3.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.24	4.75	2.03	0.87	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,581	2,581	0.05	< 0.005	—	2,583
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	10.5	10.5	< 0.005	< 0.005	—	10.5

Consum Products	—	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.11	0.10	0.01	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.81	2.81	< 0.005	< 0.005	—	2.89
Total	0.11	0.95	0.02	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	13.3	13.3	< 0.005	< 0.005	—	13.4

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	11.9	23.7	35.6	1.22	0.03	—	74.9
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	2.43	4.59	7.03	0.25	0.01	—	15.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	14.3	28.3	42.6	1.47	0.04	—	90.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	11.9	23.7	35.6	1.22	0.03	—	74.9
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	2.43	4.59	7.03	0.25	0.01	—	15.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	14.3	28.3	42.6	1.47	0.04	—	90.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1.97	3.92	5.89	0.20	< 0.005	—	12.4
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.40	0.76	1.16	0.04	< 0.005	—	2.50
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.37	4.68	7.05	0.24	0.01	—	14.9

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	68.1	0.00	68.1	6.81	0.00	—	238
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	14.0	0.00	14.0	1.40	0.00	—	49.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.21	0.00	—	287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	68.1	0.00	68.1	6.81	0.00	—	238
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	14.0	0.00	14.0	1.40	0.00	—	49.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	82.1	0.00	82.1	8.21	0.00	—	287

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.5
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.11
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	13.6	0.00	13.6	1.36	0.00	—	47.6

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.05	1.05
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.31	1.31
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.05	1.05
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.31	1.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	776	776	776	283,364	14,285	14,285	14,285	5,213,899
Condo/Townhouse	236	236	236	86,104	4,341	4,341	4,341	1,584,304
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	87
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	84
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	18
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	17
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
371425.5	123,809	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	583,358	204	0.0330	0.0040	1,505,496
Condo/Townhouse	149,607	204	0.0330	0.0040	1,022,861
Enclosed Parking with Elevator	65,855	204	0.0330	0.0040	0.00
Parking Lot	0.00	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	6,201,554	451,185
Condo/Townhouse	1,269,324	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	42.3	0.00
Condo/Townhouse	8.66	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.7	annual days of extreme heat
Extreme Precipitation	3.65	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	14.9	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	21.5
AQ-DPM	84.4
Drinking Water	18.6
Lead Risk Housing	29.1
Pesticides	0.00
Toxic Releases	41.7
Traffic	92.2
Effect Indicators	—
CleanUp Sites	94.9
Groundwater	87.5
Haz Waste Facilities/Generators	90.5
Impaired Water Bodies	33.2
Solid Waste	96.0
Sensitive Population	—
Asthma	14.3
Cardio-vascular	25.9
Low Birth Weights	44.2
Socioeconomic Factor Indicators	—
Education	43.4
Housing	46.0
Linguistic	86.8
Poverty	34.0

Unemployment	1.55

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	73.7071731
Employed	47.36301809
Median HI	63.77518286
Education	—
Bachelor's or higher	81.40639035
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	46.0284871
Active commuting	31.88759143
Social	—
2-parent households	88.99011934
Voting	59.79725395
Neighborhood	—
Alcohol availability	32.61901707
Park access	81.35506224
Retail density	69.71641216
Supermarket access	60.64416784
Tree canopy	44.71962017
Housing	—
Homeownership	37.1872193

Housing habitability	54.62594636
Low-inc homeowner severe housing cost burden	76.86385218
Low-inc renter severe housing cost burden	58.30873861
Uncrowded housing	32.59335301
Health Outcomes	—
Insured adults	81.00859746
Arthritis	93.9
Asthma ER Admissions	90.7
High Blood Pressure	83.5
Cancer (excluding skin)	71.8
Asthma	98.6
Coronary Heart Disease	93.8
Chronic Obstructive Pulmonary Disease	96.5
Diagnosed Diabetes	79.4
Life Expectancy at Birth	94.5
Cognitively Disabled	64.4
Physically Disabled	59.0
Heart Attack ER Admissions	72.3
Mental Health Not Good	94.2
Chronic Kidney Disease	90.3
Obesity	98.8
Pedestrian Injuries	44.3
Physical Health Not Good	93.9
Stroke	93.8
Health Risk Behaviors	—
Binge Drinking	95.6
Current Smoker	89.0

No Leisure Time for Physical Activity	64.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	14.9
Children	13.5
Elderly	57.9
English Speaking	7.9
Foreign-born	99.3
Outdoor Workers	93.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	19.1
Traffic Density	99.7
Traffic Access	69.3
Other Indices	—
Hardship	43.0
Other Decision Support	—
2016 Voting	57.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0
Healthy Places Index Score for Project Location (b)	66.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Square footage, lot acreage, and dwelling units based on project information. Apartment building s.f. is 62,527 minus parking garage of approx. 17,840 s.f.
Operations: Vehicle Data	Project trip rates and trip lengths based on TIA by Hexagon.

Construction Health Risk Assessment

1355 California Circle Project

March 2023

Toxic Air Contaminants (TACs) Background

TACs refer to a diverse group of air pollutants that include both organic and inorganic chemical substances that may be emitted from a variety of common sources including gasoline stations, motor vehicles, dry cleaners, industrial operations, painting operations, and research and teaching facilities. TACs are typically found in low concentrations in ambient air, especially in urban areas. TACs are different than "criteria" pollutants in that ambient air quality standards have not been established for them, largely because there are hundreds of air toxics and their effects on health tend to be felt on a local scale rather than on a regional basis. TACs are regulated at the regional, state, and federal level, however, because chronic exposure can result in adverse health effects. TACs are known to cause or contribute to cancer or non-cancer health effects such as birth defects, genetic damage, and other adverse health effects. Effects from TACs may be both chronic (i.e., of long duration) and acute (i.e., severe but of short duration) on human health. Acute health effects are attributable to sudden exposure to high quantities of air toxics. These effects include nausea, skin irritation, respiratory illness, and, in some cases, death. Chronic health effects result from low-dose, long-term exposure from routine releases of air toxics. Diesel exhaust, or Diesel Particulate matter (DPM), is the predominant TAC in urban air and is estimated to represent about two-thirds of the cancer risk from TACs (based on the statewide average). According to the California Air Resources Board (CARB), diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, including benzene, formaldehyde, acrolein, butadiene, and acetaldehyde have been previously identified as TACs by the CARB, and are listed as carcinogens either under the state's Proposition 65 or under the federal Hazardous Air Pollutants programs.

Methodology

The greatest potential for TAC emissions during Project construction would be related to diesel particulate matter emissions. Construction activities associated with the Project would be short term in nature (i.e., 28 months). Although construction would be temporary, construction impacts associated with DPM and PM2.5 have been estimated herein. In March 2015, the Office of Environmental Health Hazard Assessment (OEHHA) adopted revised guidelines that update previous guidance by incorporating advances in risk assessment with consideration of infants and children using Age Sensitivity Factors (ASF). The construction HRA was performed in accordance with the revised OEHHA Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015). The analysis utilizes dispersion modeling using the United States Environmental Protection Agency (USEPA) AERMOD model with meteorological data from the Bay Area Air Quality Management District (BAAQMD) monitoring station located at the San Jose International Airport (KSJC).

See attachments herein for additional information related to the assumptions of the construction HRA.

Based on the Project's construction assumptions and California Emissions Estimator Model (CalEEMod) daily DPM and PM2.5 emissions were utilized to assess potential health risks to the nearest off-site sensitive receptors. This assessment focuses on the project construction and the maximum exposed off-site residential receptor (MEIR).

The American Meteorological Society (AMS)/USEPA Regulatory Model (AERMOD) was utilized to quantify the concentrations of DPM and PM2.5 at the nearest sensitive receptors, and a worst-case receptor location was analyzed. AERMOD is steady-state plume modeling system specially designed to support the USEPA's regulatory modeling programs. AERMOD allows the user to conduct site-specific modeling with the use of various inputs including source types, receptor locations, terrain data, meteorological conditions, and much more.

Onsite construction emissions from off-road equipment were characterized as a polygon area source that outlined the footprint of the project site. A release height of 4.1 meters represented exhaust emissions. The release height represents the height above the ground at which pollutants are emitted. To account for the plume rise associated with mechanically generated air turbulence from construction emissions for the AERMOD run, the initial vertical dimension of the area source was modeled at 3.8 meters for exhaust. Plume rise is the height that pollutants rise above a release height. For exhaust, plume rise occurs because of the temperature of the exhaust gas. Exhaust gas temperatures can be high, which causes the plume to rise. Emissions from off-road equipment were assumed to be generated throughout the construction footprint. Discrete receptors were placed at the sensitive receptor locations to represent ground-level receptors (worst-case). The terrain data for the Project area was applied from the USGS online database.

Based on OEHHA (2015) methodology for residential receptors, the cancer risk for a particular chemical of interest is based on the following:

$$RISK_{inh\text{-}res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$$

Where:

$RISK_{inh\text{-}res}$ = Residential inhalation cancer risk

$DOSE_{air}$ = Daily inhalation dose (mg/kg-day)

CPF = Inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)

ASF = Age sensitivity factor for a specified age group

ED = Exposure duration (in years) for a specified age group

AT = Averaging time for lifetime cancer risk (years)

FAH = Fraction of time spent at home

The attached carcinogenic calculation sheets illustrate the assumptions and calculations utilized in this HRA.

Noncancer chronic inhalation impacts are calculated by dividing the annual average concentration by the Reference Exposure Level (REL or REF) for that substance. The REL is defined as the concentration at which no adverse noncancer health effects are anticipated.

For a single substance, this result is called the Hazard Quotient (HQ). The following equation is used to calculate the HQ:

$HQ = C_i/REL_i$

Where:

C_i = Concentration in the air of substance i

REL_i = Chronic noncancer Reference Exposure Level for substance i

For multiple substances, the Hazard Index (HI) is calculated. The HI is calculated by summing the HQs from all substances that affect the same organ system.

Carcinogenic and Chronic Noncarcinogenic Risk Results

Potential health risks associated with construction of the Project were performed based on the OEHHA guidance and incorporation of the results from the AERMOD dispersion model. It should be noted that the calculated cancer risk is conservative as it is estimated for outdoor exposure over the entire construction period, which assumes that sensitive receptors (residential uses) would not have any mitigation such as mechanical filtration and that residential uses would have continuously open windows and the receptor would be outside for all hours. This HRA also assumes that the maximum exposed receptor would be the most sensitive classification, an infant from 3rd trimester through 2 years of age. Health risks to ages greater than 2 years of age would be reduced compared to what's disclosed herein.

The most harmful DPM is classified as ultrafine particulates as a subset of $PM_{2.5}$ (the most harmful DPM is classified as 0.1 microns in diameter). This report assumes all $PM_{2.5}$ exhaust would be considered the most harmful class of ultrafine diesel particulate, thereby resulting in likely overstated effects of DPM exhaust. Under these worst-case assumptions, the maximum impact at the nearest sensitive receptor (i.e., residences to the east of the Project Site) would be 9.44 per 1 million, or less than the risk threshold of 10.0 in 1 million. Impacts at locations farther than this receptor would be further reduced, and thus impacts would be less than significant.

Potential noncarcinogenic effects of chronic (i.e., long term – DPM does not have an acute REL) DPM exposures were evaluated using the Hazard Index approach as described in the OEHHA Guidance. A hazard index equal to or greater than 1.0 represents a significant chronic health hazard. As shown in greater detail the following attachments, non-carcinogenic effects at the nearest sensitive receptor (i.e., residences located east of the Project Site) would be 0.02, which is less than the 1.0 health hazard threshold. Impacts at locations farther than this receptor would be further reduced, and thus non-cancer effects would be less than significant.

Construction Health Risk Summary

Scenario	Incremental Cancer Risk	Non-Cancer Chronic Risk	Annual PM2.5 Concentrations (ug/m3)
Project Construction	9.44	0.02	0.07 ug/m3
BAAQMD Threshold of Significance	>10.0 per one million	>1.0	>0.3 ug/m3
Significant Impact?	No	No	No

REFERENCES

AMS/USEPA Regulatory Model (AERMOD)

California Air Pollution Control Officers Association (CAPCOA)

Health Risk Assessments for Proposed Land Use Project, Guidance Document, July 2009

California Air Resources Board (CARB)

Air Quality and Land Use Handbook, April 2005

California Office of Environmental Health Hazard Assessment (OEHHA)

Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk, 2015

Hot Spots Unit Risk and Cancer Potency Values

(http://www.oehha.ca.gov/air/hot_spots/2009/AppendixA.pdf)

Chronic REL Summary (http://www.oehha.ca.gov/air/allrels.html)

Google Earth, 2023

Bay Area Air Quality Management District (BAAQMD)

CEQA Guidelines May 2017

California Emissions Estimator Model (CalEEMod) and User Guide

Meteorological Data for AERMOD

BAAQMD Health Risk Assessment Modeling Protocol

ATTACHMENTS

1. Cancer and Health Calculations
2. Emissions Summary
3. AERMOD Output File

Carcinogenic Risk Summary (Risks Per Million)

2-Year Residency	9.44E+00

Notes:

2-Year Residency Risk = 3rd Trimester to Birth Risk + 0<2 Risk

Carcinogenic Risks - 3rd Trimester to Birth

Source	Concentration		Weight Fraction	Contaminant	Carcinogenic Risk		
	(ug/m3)	(mg/m3)			URF[a] (ug/m3)	CPF[a] (mg/kg/day)	RISK (per million)
Construction	7.40E-02	7.40E-05	1.00E+00	DPM	3.00E-04	1.10E+00	4.62E-01
						Totals	4.62E-01

[a] http://www.oehha.ca.gov/air/hot_spots/2009/AppendixA.pdf (updated 2011)

Assumptions (per OEHHA Guidance Manual for Preparation of HRAs, Appendix I, February 2015)

Daily Breathing Rate	273 L/kg-day
Inhalation Absorbtion	1
Exposure Frequency	250 construction days/yr
Age Sensitivity Factor	10
Fraction At Home	0.85
Exposure Duration	0.25 years (1st 3 months of construction)
Averaging Time	70 years (25,550 days)

Carcinogenic Risks - 0<2

Source	Concentration		Weight Fraction	Contaminant	Carcinogenic Risk		
	(ug/m3)	(mg/m3)			URF[a] (ug/m3)	CPF[a] (mg/kg/day)	RISK (per million)
Construction	7.40E-02	7.40E-05	1.00E+00	DPM	3.00E-04	1.10E+00	8.98E+00
						Totals	8.98E+00

[a] http://www.oehha.ca.gov/air/hot_spots/2009/AppendixA.pdf (updated 2011)

Assumptions (per OEHHA Guidance Manual for Preparation of HRAs, Appendix I, February 2015)

Daily Breathing Rate	758 L/kg-day	
Inhalation Absorbtion	1	
Exposure Frequency	250 construction days/year	
Age Sensitivity Factor	10	
Fraction At Home	0.85	
Exposure Duration	1.75 construction years	
Averaging Time	70 years (25,550 days)	0.15

Chronic Noncarcinogenic Hazards

Source	Concentration		Weight Fraction	Contaminant	Chronic Noncarcinogenic Hazards/Toxicological Endpoints								
	(ug/m3)	(mg/m3)			REL[a] (ug/m3)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
Construction	7.40E-02	7.40E-05	1.00E+00	DPM	5.00E+00	1.48E-02							
Totals						1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

[a] http://www.oehha.ca.gov/air/allrels.html

Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System
EYES	Eye irritation

Emission Rate Summary

Daily DPM (see daily PM2.5 exhaust from attached CalEEMod Sheets)

Construction Phase	Demo (1 mo of 24)	Grading (1 mos of 24)	Bldg (22 mos of 24)
Total (pounds/day)	0.05	0.04	0.31

Composite rate (pounds/day) **0.28**

Maximum DPM Emission Rate

Construction Phase	Avg
Total (grams/sec)	0.001

Note: while Bldg could occur over two phases, emissions based on maximum daily equipment per applicant.
Assumes building construction, coating and paving overlap.
Emission rate converted in AERMOD to 8.157E-08 (g/sec-m2) per area source

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 3/27/2023
** File: C:\Lakes\AERMOD View\1355 California Cir 2\1355
California Cir 2.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\1355 California Cir 2\1355
California Cir 2.isc
   MODELOPT CONC FLAT ELEV
   AVERTIME ANNUAL
   URBANOPT 1000000
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "1355 California Cir 2.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA1       AREAPOLY    64702.593  4156081.216
1.000
** Source Parameters **
   SRCPARAM PAREA1       8.1573E-08     4.100         4     3.800
   AREAVERT PAREA1       64702.593 4156081.216 64683.735
4155937.210
   AREAVERT PAREA1       64613.447 4155926.067 64604.018
4156073.502
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
```



```
**
**
RE STARTING
   INCLUDED "1355 California Cir 2.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE KSJC_2017.SFC
   PROFFILE KSJC_2017.PFL
   SURFDATA 23293 2017
   UAIRDATA 23230 2017 OAKLAND/WSO_AP
   PROFBASE 15.5 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Maximum Annual Average POST files for Each Met Year
   POSTFILE ANNUAL ALL PLOT "1355 CALIFORNIA CIR 2.AD
\ANNUAL_G001.PLT" 31
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "1355 CALIFORNIA CIR 2.AD\AN00GALL.PLT" 32
   SUMMFILE "1355 California Cir 2.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      65       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used           0.50
 ME W187      65       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
```



```
 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```



```
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\1355
California Cir 2\1355 California Cir 2.isc ***        03/27/23
 *** AERMET - VERSION  18081 ***   ***
***         12:10:56

PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  URBAN  ADJ_U*

                                          ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Allows User-Specified Options
      * Model Is Setup For Calculation of Average CONCentration
Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Allow FLAT/ELEV Terrain Option by Source,
        with      0 FLAT and      1 ELEV Source(s).
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for
1 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   1000000.0 ;  Urban Roughness Length =
1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * 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 ANNUAL Averages Only

 **This Run Includes:      1 Source(s);       1 Source Group(s);
and       7 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      1 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 a total
of     0 line(s)
                and:      0 SWPOINT source(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 ANNUAL Averages by Receptor
          Model Outputs External File(s) of Concurrent Values for
Postprocessing (POSTFILE 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) =
15.50 ;  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 =      3.5 MB of
RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   1355 California Cir 2.err
 **File for Summary of Results:   1355 California Cir 2.sum
```



```
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\1355
California Cir 2\1355 California Cir 2.isc ***        03/27/23
 *** AERMET - VERSION  18081 ***   ***
***        12:10:56

PAGE   2
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  URBAN  ADJ_U*


                                                  *** AREAPOLY
SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE
RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE
   SOURCE        PART.  (GRAMS/SEC       X        Y      ELEV.
HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID          CATS.    /METER**2)   (METERS) (METERS)  (METERS)
(METERS)            (METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 PAREA1           0   0.81573E-07   64702.6 4156081.2     1.0
4.10       4         3.80     YES
```



```
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\1355
California Cir 2\1355 California Cir 2.isc ***        03/27/23
 *** AERMET - VERSION  18081 ***   ***
***        12:10:56

PAGE   3
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs
DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE
IDs
 -----------                                          -------
---

   ALL        PAREA1      ,
```



```
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\1355
California Cir 2\1355 California Cir 2.isc ***        03/27/23
 *** AERMET - VERSION  18081 ***   ***
***        12:10:56

PAGE   4
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  URBAN  ADJ_U*


                                       *** SOURCE IDs DEFINED
AS URBAN SOURCES ***

  URBAN ID   URBAN POP                                  SOURCE
IDs
  --------   ---------                                  -------
---

               1000000.   PAREA1      ,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

```
     (  64770.2, 4156201.6,       1.1,     810.0,       0.0);
(  64794.8, 4156207.5,       1.4,     810.0,       0.0);
     (  64765.7, 4155935.2,       2.0,     810.0,       0.0);
(  64765.7, 4155904.3,       2.0,     810.0,       0.0);
     (  64777.7, 4155873.5,       2.0,     810.0,       0.0);
(  64795.7, 4155928.3,       2.0,     810.0,       0.0);
     (  64802.6, 4156890.6,       2.0,     810.0,       0.0);
```


*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1  1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1  1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1  1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1  1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1  1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1  1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

```
   Surface file:   KSJC_2017.SFC
Met Version:  18081
   Profile file:   KSJC_2017.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:    23293                 Upper air station no.:    23230
                Name: UNKNOWN                 Name: OAKLAND/WSO_AP
                Year:   2017                  Year:   2017

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 17 01 01   1 01  -22.4  0.219 -9.000 -9.000 -999.  246.     52.9 0.02   0.68   1.00    3.36  121.    7.9  277.5    2.0
 17 01 01   1 02  -12.5  0.138 -9.000 -9.000 -999.  125.     21.0 0.02   0.68   1.00    2.17  180.    7.9  278.1    2.0
 17 01 01   1 03  -16.7  0.164 -9.000 -9.000 -999.  160.     29.6 0.02   0.68   1.00    2.55  137.    7.9  278.8    2.0
 17 01 01   1 04  -17.5  0.172 -9.000 -9.000 -999.  172.     32.7 0.02   0.68   1.00    2.67  125.    7.9  279.2    2.0
 17 01 01   1 05  -21.8  0.215 -9.000 -9.000 -999.  239.     50.6 0.02   0.68   1.00    3.29  122.    7.9  279.2    2.0
 17 01 01   1 06  -15.2  0.153 -9.000 -9.000 -999.  145.     25.8 0.02   0.68   1.00    2.39  154.    7.9  279.9    2.0
 17 01 01   1 07  -18.9  0.187 -9.000 -9.000 -999.  194.     38.3 0.02   0.68   1.00    2.88  124.    7.9  279.9    2.0
 17 01 01   1 08  -17.7  0.175 -9.000 -9.000 -999.  176.     33.7 0.02   0.68   0.74    2.71  132.    7.9  279.9    2.0
 17 01 01   1 09    5.8  0.168  0.369  0.005  314.  166.    -74.7 0.02   0.68   0.39    2.32  134.    7.9  280.9    2.0
 17 01 01   1 10   35.9  0.138  0.923  0.018  792.  123.     -6.6 0.02   0.68   0.27    1.59  138.    7.9  282.0    2.0
 17 01 01   1 11   59.1  0.123  1.168  0.019  974.  104.     -2.9 0.02   0.68   0.23    1.28  129.    7.9  284.2    2.0
 17 01 01   1 12   72.0  0.252  1.293  0.020 1085.  304.    -20.1 0.02   0.68   0.21    3.34  280.    7.9  284.9    2.0
```



```
 17 01 01   1 13   87.9  0.389  1.384  0.019 1089.  582.    -60.3 0.05   0.68   0.21    4.65  263.    7.9  285.9    2.0
 17 01 01   1 14   65.5  0.353  1.256  0.019 1091.  504.    -60.5 0.05   0.68   0.22    4.22  270.    7.9  285.9    2.0
 17 01 01   1 15   46.1  0.403  1.118  0.018 1093.  613.   -128.0 0.05   0.68   0.25    4.97  244.    7.9  285.4    2.0
 17 01 01   1 16   18.2  0.370  0.820  0.018 1094.  542.   -252.7 0.02   0.68   0.33    5.44  281.    7.9  285.4    2.0
 17 01 01   1 17  -32.0  0.420 -9.000 -9.000 -999.  653.    209.2 0.02   0.68   0.57    6.43  279.    7.9  283.1    2.0
 17 01 01   1 18  -28.9  0.288 -9.000 -9.000 -999.  382.     91.1 0.05   0.68   1.00    3.85  243.    7.9  282.0    2.0
 17 01 01   1 19  -18.6  0.185 -9.000 -9.000 -999.  197.     37.6 0.05   0.68   1.00    2.52  246.    7.9  282.0    2.0
 17 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.7 0.05   0.68   1.00    2.03  225.    7.9  280.9    2.0
 17 01 01   1 21   -7.4  0.105 -9.000 -9.000 -999.   82.     14.3 0.02   0.68   1.00    1.69  116.    7.9  282.0    2.0
 17 01 01   1 22  -10.4  0.130 -9.000 -9.000 -999.  112.     19.0 0.05   0.68   1.00    1.76   94.    7.9  281.4    2.0
 17 01 01   1 23  -14.5  0.149 -9.000 -9.000 -999.  138.     24.5 0.02   0.68   1.00    2.33  133.    7.9  280.9    2.0
 17 01 01   1 24  -21.8  0.215 -9.000 -9.000 -999.  240.     51.0 0.02   0.68   1.00    3.30  114.    7.9  280.4    2.0
```

```
 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 17 01 01 01    7.9 1  121.    3.36   277.6
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S):

PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
64770.15	4156201.61	0.00835	64794.77	4156207.51	0.00718
64765.72	4155935.19	0.07407	64765.72	4155904.33	0.06319
64777.72	4155873.48	0.04527	64795.72	4155928.34	0.05566
64802.58	4155890.62	0.04618			

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK
GROUP ID AVERAGE CONC
RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL 1ST HIGHEST VALUE IS 0.07407 AT (64765.72, 4155935.19, 2.00, 810.00, 0.00) DC
2ND HIGHEST VALUE IS 0.06319 AT (64765.72, 4155904.33, 2.00, 810.00, 0.00) DC
3RD HIGHEST VALUE IS 0.05566 AT (64795.72, 4155928.34, 2.00, 810.00, 0.00) DC
4TH HIGHEST VALUE IS 0.04618 AT (64802.58, 4155890.62, 2.00, 810.00, 0.00) DC
5TH HIGHEST VALUE IS 0.04527 AT (64777.72, 4155873.48, 2.00, 810.00, 0.00) DC
6TH HIGHEST VALUE IS 0.00835 AT (64770.15, 4156201.61, 1.06, 810.00, 0.00) DC
7TH HIGHEST VALUE IS 0.00718 AT (64794.77, 4156207.51, 1.38, 810.00, 0.00) DC
8TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)
9TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)
10TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 3 Warning Message(s)
A Total of 194 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 52 Calm Hours Identified

A Total of 142 Missing Hours Identified (1.62 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
ME W186 65 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 65 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W481 8785 MAIN: Data Remaining After End of Year. Number of Hours= 24

****
*** AERMOD Finishes Successfully ***
****

APPENDIX 3.3

Arborists Report

Preliminary Arborist Report

1355 California Circle
Milpitas, CA

PREPARED FOR:
Pulte Homes
6210 Stoneridge Mall Road
Pleasanton, CA 94588

PREPARED BY:
HortScience | Bartlett Consulting
325 Ray St.
Pleasanton, CA 94566

March 31, 2022

Preliminary Arborist Report
1355 California Circle
Milpitas, CA

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Exhibits

Tree Assessment Form

Tree Assessment Map

Preliminary Arborist Report
1355 California Circle
Milpitas, CA

Introduction and Overview
Pulte Homes is planning to re-develop the site at 1355 California Circle in Milpitas, CA. The site currently consists of a one-story industrial building with associated parking and landscaping. Pulte Homes is planning to demolish existing structures and clear the site, then construct a new residential housing development with associated parking and landscaping. HortScience | Bartlett Consulting (HBC), Divisions of The F. A. Bartlett Tree Expert Co., was asked to prepare an **Arborist Report** as a part of the application to the City of Milpitas.

This report provides the following information:

1. Assessment of the health and structural condition of the trees within the proposed project area based on a visual inspection from the ground.
2. Assessment of impacts to trees from the proposed project plans and identification of trees for preservation and removal.
3. Preliminary guidelines for tree preservation during the design, construction and maintenance phases of development.

Tree Assessment Methods
Trees were assessed on March 18, 2021. The assessment included all trees 6 inches in diameter and greater as required by the City of Milpitas. Tree tag numbers started at #210. Trees located within the proposed project area and those on adjacent properties with canopies extending into the project area were included. The assessment procedure consisted of the following steps:

1. Identifying the tree species;
2. Tagging each tree with an identifying number and recording its location on a map;
3. Measuring the trunk diameter at a point 54-inches above grade;
4. Evaluating the health and structural condition using a scale of 0 – 5:
   - ***5*** - A healthy, vigorous tree, reasonably free of signs and symptoms of disease, with good structure and form typical of the species.
   - ***4*** - Tree with slight decline in vigor, small amount of twig dieback, minor structural defects that could be corrected.
   - ***3*** - Tree with moderate vigor, moderate twig and small branch dieback, thinning of crown, poor leaf color, moderate structural defects that might be mitigated with regular care.
   - ***2*** - Tree in decline, epicormic growth, extensive dieback of medium to large branches, significant structural defects that cannot be abated.
   - ***1*** - Tree in severe decline, dieback of scaffold branches and/or trunk; most of foliage from epicormics; extensive structural defects that cannot be abated.
5. Rating the suitability for preservation as ”high”, “moderate” or “low”. Suitability for preservation considers the health, age and structural condition of the tree, and its potential to remain an asset to the site for years to come.
   - ***High***: Trees with good health and structural stability that have the potential for longevity at the site.
   - ***Moderate***: Trees with somewhat declining health and/or structural defects that can be abated with treatment. The tree will require more intense management and monitoring, and may have shorter life span than those in ‘high’ category.
   - ***Low***: Tree in poor health or with significant structural defects that cannot be mitigated. Tree is expected to continue to decline, regardless of treatment. The species or individual may have characteristics that are undesirable for landscapes and generally are unsuited for use areas.

Description of Trees

Forty-nine (49) trees representing 8 species were evaluated (Table 1). Among all species, 29 trees were in fair condition and 18 were in poor condition. Flooded gum #257 was in good condition. Willowleafed peppermint #223 was dead. In some areas the property line was not indicated by fences or other boundary markers. In these locations, trees may or may not be on the subject property. Descriptions of each tree can be found in the ***Tree Assessment Form*** and locations are shown on the ***Tree Assessment Map*** (see Exhibits).

Table 1. Condition ratings and frequency of occurrence of trees.
1355 California Circle. Milpitas, CA.

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
Blackwood acacia	*Acacia melanoxylon*	-	10	6	-	**16**
Hopseed bush	*Dodonaea viscosa*	-	1	2	-	**3**
River red gum	*Eucalyptus camaldulensis*	-	2	1	-	**3**
Flooded gum	*Eucalyptus rudis*	-	-	1	1	**2**
Raywood ash	*Fraxinus angustifolia* 'Raywood'	-	2	8	-	**10**
Cajeput paperbark tree	*Melaleuca quinquenervia*	-	-	5	-	**5**
Willowleafed peppermint	*Eucalyptus nicholii*	1	2	1	-	**4**
Mexican fan palm	*Washingtonia robusta*	-	1	5	-	**6**
Total		**1**	**18**	**29**	**1**	**49**

Blackwood acacia was the predominant species on site with 16 trees (33% of the population). Mature trees were growing along California Circle (Photo 1). Several younger acacias were growing along the south property line. Diameters ranged from 5 to 30 inches, with an average of 19 inches. Most trees were in poor condition (10 trees) with decayed branches and dying crowns. Six acacias were in fair condition; none of the trees were in good condition.



Photo 1. Blackwood acacia were growing along the sidewalk on California Circle. View is from the south.

Ten Raywood ash were growing in or along the parking lot, most of them at the northeast corner (Photo 2). Trees #251 – 256 appeared to be growing on the northern property line. Eight were in fair condition, and two were in poor condition. None of the ash were in good condition. Many had multiple branch attachments and typical vase-like crowns. Trees were semi-mature, with diameters from 10 to 15 inches.

Six Mexican fan palms were growing close to edges of the parking lot on the south and west sides (Photo 3). Most were in fair condition (5 palms). Palm #234 was in poor condition, with its base pillowing over a curb. None of the palms were in good condition. Trunk size ranged from 18 to 24 inches, and brown trunk heights varied between 7 and 15 inches.

Five Cajeput paperbark trees were present. Trees were growing in planting areas at the northwest building entrance. All were in fair condition. Several had been pruned to remove one of two codominant trunks. Diameters ranged from 10 to 16 inches.

Among the remaining 4 species, none was represented by more than 4 trees. Included in this group were:



Photo 2. Willowleafed peppermint #250 was the largest tree on site. A row of Raywood ash are visible in the background (orange arrow).

- Mature willowleafed peppermints #239, 240 and 250 were growing near the north, east, and south sides of the building. Trees #239 and 240 were in leaning and in poor condition with diameters of 31 and 17 inches. Tree #250 was in fair condition and had a diameter of 38 inches (Photos 2 and 3). Tree #223 was dead.

- Hopseed bush #221, 224 and 226 were growing along the parking lot near the south property line. Trees #221 and 226 were in fair condition and #224 was poor. Trees were young, with stems from 2 to 6 inches.

- River red gums #230, 232 and 233 were growing near the parking lot along the west property line. Young gums #232 and 233 were in poor condition with stems ranging from 3 to 6 inches. Gum #230 was 14 inches and fair.

- Flooded gums #257 and 258 were growing at the north side of the parking lot, likely on the north property line (Photo 3). Gum #257 had a diameter of 23 inches and was in good condition with multiple attachments at 8 feet and a vigorous crown. Gum #258 was in fair condition with a slight lean west and 27-inch diameter.



Photo 3. Flooded gums #258 and 257 (L to R) are at right. Willowleafed peppermint #239 (yellow arrow) and Mexican fan palm #238 (orange arrow) are visible in left background.

The City of Milpitas Municipal Code (Chapter 2, Section 7 - Tree Protection and Heritage Tree Program) defines a Protected tree on a developed commercial property as any tree with a circumference of 37 inches or greater (about 11.78 inches in diameter). Based on this criterion 27 trees are considered to be Protected. Permits and replacement tree planting at a ratio of 2:1 are required for the removal of Protected trees. Protected trees are identified in the ***Tree Assessment Form*** (see Exhibits).

Suitability for Preservation

Before evaluating the impacts that will occur during development, it is important to consider the quality of the tree resource itself, and the potential for individual trees to function well over an extended length of time. Trees that are preserved on development sites must be carefully selected to make sure that they may survive development impacts, adapt to a new environment and perform well in the landscape.

Our goal is to identify trees that have the potential for long-term health, structural stability and longevity. Where development encroaches into existing trees, we must consider their structural stability as well as their potential to grow and thrive in a new environment. Evaluation of suitability for preservation considers several factors:

- **Tree health**
  Healthy, vigorous trees are better able to tolerate impacts such as root injury, demolition of existing structures, changes in soil grade and moisture, and soil compaction than are non-vigorous trees.

- **Structural integrity**
  Trees with significant amounts of wood decay and other structural defects that cannot be corrected are likely to fail. Such trees should not be preserved in areas where damage to people or property is likely. The leaning willowleafed peppermints are not recommended for preservation.

- **Species response**
  There is a wide variation in the response of individual species to construction impacts and changes in the environment. For instance, river red gum and Raywood ash are moderately tolerant of construction impacts if properly irrigated. Blackwood acacia and willowleaf peppermint are intolerant of impacts.

- **Tree age and longevity**
  Older trees, while having significant emotional and aesthetic appeal, have limited physiological capacity to adjust to an altered environment. Young trees are better able to generate new tissue and respond to change.

- **Species invasiveness**
  Species that spread across a site and displace desired vegetation are not always appropriate for retention. This is particularly true when indigenous species are displaced. The California Invasive Plant Inventory Database (https://www.cal-ipc.org/plants/inventory/) lists species identified as being invasive. Santa Clara County is part of the Central West Floristic Province. Blackwood acacia and river red gum are listed as having limited invasive potential. Mexican fan palm is moderately invasive.

Each tree was rated for suitability for preservation based upon its age, health, structural condition and ability to safely coexist within a development environment (see ***Tree Assessment Forms*** in Exhibits). We consider trees with high suitability for preservation to be the best candidates for preservation. We do not normally recommend retention of trees with low suitability for preservation in areas where people or property will be present. Retention of trees with moderate suitability for preservation depends upon the intensity of proposed site changes.

Table 2: Tree suitability for preservation.
1355 California Circle. Milpitas, CA.

High	These are trees with good health and structural stability that have the potential for longevity at the site. Flooded gum #257 had high suitability for preservation.
Moderate	Trees in this category have fair health and/or structural defects that may be abated with treatment. Trees in this category require more intense management and monitoring, and may have shorter life-spans than those in the “high” category. Twenty-five (25) trees had moderate suitability for preservation.
Low	Trees in this category are in poor health or have significant defects in structure that cannot be abated with treatment. These trees can be expected to decline regardless of management. The species or individual tree may possess either characteristics that are undesirable in landscape settings or be unsuited for use areas. Twenty-two (22) trees had low suitability for preservation.

Note: Table does not include willowleafed peppermint #223. This tree was dead.

Preliminary Evaluation of Impacts and Recommendations for Action

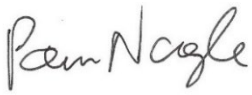
Appropriate tree retention develops a practical match between the location and intensity of construction activities and the quality and health of trees. The ***Tree Assessment Form*** was the reference point for tree condition and quality. Potential impacts from construction were evaluated using the Planned Development Preliminary Site Plan prepared by Civil Engineering Associates (dated 2/16/2022). This report is preliminary because no site layout, grading, utility, landscape or other construction plans were reviewed.

The plan proposes demolition of the existing building and parking lots, and construction of a new housing development with internal access streets. The entire site will be cleared from property line to property line and potential impacts to trees will be severe. Proposed grade will be raised to clear an existing flood plain and a retaining wall will be constructed around the perimeter.

Based on my assessment of the proposed plan and evaluation of the trees, I recommend removal of all 49 trees on the site.

If you have any questions about my observations or recommendations, please contact me.

HortScience | Bartlett Consulting



Pam Nagle
Consulting Arborist and Urban Forester
Certified Arborist #WE-9617A
ISA Tree Risk Assessment Qualified
HortScience | Bartlett Consulting

Exhibits

Tree Assessment Form

Tree Assessment Map

Tree Assessment

1355 California Circle
Milpitas, CA
March 2022

HORT SCIENCE
BARTLETT CONSULTING

Tree No.	Species	Trunk Diameter (in.)	Protected Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
210	Blackwood acacia	24	Yes	3	Moderate	2' from sidewalk; circling roots; codominant stems at 7'; wide vase form.
211	Blackwood acacia	22	Yes	3	Moderate	Surface roots; multiple attachments at 10'; crowded by #210.
212	Blackwood acacia	25	Yes	1	Low	Roots deflected along sidewalk; corrected lean E.; lost stem S. side; codominant stems at 8'; poor form and structure.
213	Blackwood acacia	27	Yes	2	Low	Exposed surface roots; correcting lean E.; codominant stems at 10'; history of limb removal; crowded by #214.
214	Blackwood acacia	29	Yes	2	Low	At conc. walk; multiple attachments at 9'; sparse crown.
215	Blackwood acacia	30	Yes	1	Low	Multiple attachments at 9'; N. stem dead and cracked; history of limb removal; 1/3 crown dead.
216	Blackwood acacia	24	Yes	1	Low	At walk; leans S.; multiple attachments at 12'; history of limb removal; crown half dead.
217	Blackwood acacia	21	Yes	1	Low	Multiple attachments at 9'; history of limb removal w/ reaction growth; half dead.
218	Blackwood acacia	28	Yes	1	Low	Codominant stems at 9'; leans S.; exfoliating bark S. side; little live foliage.
219	Blackwood acacia	7	No	2	Low	1-sided to S.E.; 2' from #220; crowded.
220	Blackwood acacia	11	No	3	Moderate	Crowded by #219; good form and structure; vigorous.
221	Hopseed bush	6	No	3	Moderate	Codominant stems at 4'; correcting lean N.; history of limb removal.
222	Mexican fan palm	20	Yes	3	Moderate	7' brown trunk height.
223	Willowleafed peppermint	30	-	0	-	Slight lean S.W.; dead.
224	Hopseed bush	6,2	No	2	Low	Codominant stems at 1' w/ multiple attachments above; history of limb removal; branch dieback.
225	Blackwood acacia	7	No	3	Moderate	Multiple attachments at 8'; vigorous young tree.
226	Hopseed bush	4,4,3,3	No	3	Moderate	Multiple attachments arise from base; slight lean N.
227	Blackwood acacia	5	No	2	Low	Correcting lean S.; vigorous.

Tree Assessment

1355 California Circle
Milpitas, CA
March 2022

HORT SCIENCE
BARTLETT CONSULTING

Tree No.	Species	Trunk Diameter (in.)	Protected Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
228	Blackwood acacia	10	No	3	Moderate	Codominant stems at 10'; vigorous.
229	Blackwood acacia	8,8	No	3	Low	At curb corner; codominant stems at 3'; corrected lean E.; vigorous.
230	River red gum	14	Yes	3	Moderate	Multiple attachments at 7'; otherwise good form and structure.
231	Blackwood acacia	21	Yes	1	Low	At curb corner; leans S.; multiple attachments at 9'; S. crown dead.
232	River red gum	6	No	2	Low	At curb; tagged on branch; codominant stems at 4'; vigorous young tree.
233	River red gum	5,4,4,4,3	No	2	Low	Multiple attachments at base; leans N.
234	Mexican fan palm	24	Yes	2	Low	12' brown trunk height; base pillows over curb; vigorous.
235	Mexican fan palm	20,20	Yes	3	Low	Tag on fence; codominant stems at base; 15' brown trunk height; crowded; vigorous.
236	Mexican fan palm	18	Yes	3	Low	Tag on fence; 12' brown trunk height; vigorous; crowded.
237	Mexican fan palm	18	Yes	3	Low	Tag on fence; 10' brown trunk height; crowded.
238	Mexican fan palm	23	Yes	3	Moderate	15' brown trunk height.
239	Willowleafed peppermint	31	Yes	2	Low	Leans N.W.; multiple attachments at 15'; vigorous.
240	Willowleafed peppermint	17	Yes	2	Low	Leans N; codominant stems at 9'; history of limb removal; exfoliating bark; sparse.
241	Cajeput paperbark tree	16	Yes	3	Moderate	1' from conc walk; in cobble planting bed; codominant stems at 6'; history of limb removal.
242	Cajeput paperbark tree	10	No	3	Moderate	1' from conc walk; in cobble planting bed; removed stems at base; codominant stems at 7' w/ narrow attachment.
243	Raywood ash	13	Yes	3	Moderate	In 3x3 cobble planting bed; multiple attachments at 6.5'; history of limb removal; vase form.
244	Raywood ash	11	No	2	Low	In end planting bed lot; surface roots; corrected lean E.; history of limb removal.

Tree Assessment

1355 California Circle
Milpitas, CA
March 2022

HORT SCIENCE
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Tree No.	Species	Trunk Diameter (in.)	Protected Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
245	Raywood ash	15	Yes	3	Moderate	At corner curb; surface roots; enlarged base; multiple narrow attachments at 7' w/ removed stem.
246	Raywood ash	15	Yes	2	Low	End planting bed; leans E.; multiple attachments at 7'; narrow; lacks vigor.
247	Cajeput paperbark tree	11,8	No	3	Moderate	Codominant stems arise from base; wide attachment; surface roots in planting bed; vigorous.
248	Cajeput paperbark tree	7,7	No	3	Moderate	Codominant stems at base; hanger in crown; crowded.
249	Cajeput paperbark tree	11	No	3	Moderate	Surface roots in planting bed; removed codominant stem at base; multiple attachments at 10'; upright narrow form.
250	Willowleafed peppermint	38	Yes	3	Moderate	Corrected lean S.; multiple attachments at 25'; history of limb removal; large vigorous crown.
251	Raywood ash	15	Yes	3	Moderate	On property line in 8' bed; multiple attachments at 10' w/ reaction growth; history of limb removal; vase crown; vigorous.
252	Raywood ash	11	No	3	Moderate	On property line in 8' bed; multiple attachments at 9'; history of limb removal; narrow crown.
253	Raywood ash	11	No	3	Moderate	On property line in 8' bed; multiple attachments at 9'; history of limb removal; narrow crown.
254	Raywood ash	10	No	3	Moderate	On property line in 8' bed; codominant stems at 7' w/ removed stems; narrow crown.
255	Raywood ash	11	No	3	Moderate	On property line in 8' bed; multiple attachments at 7.5'; history of limb removal; narrow crown.
256	Raywood ash	11	No	3	Moderate	On property line in 8' bed; multiple attachments at 8'; history of limb removal; narrow crown.
257	Flooded gum	23	Yes	4	High	On property line in 8' bed; multiple attachments at 8'; vigorous crown.
258	Flooded gum	29	Yes	3	Moderate	On property line in 8' bed; slight lean W.; one-sided to W.

Tree Assessment Map

1355 California Circle
Milpitas, CA

Prepared for:
Pulte Homes
Pleasanton, CA

March 2022

No Scale

Notes:
Base map provided by:
Civil Engineering Associates
San Jose, CA

Numbered tree locations are approximate.

HORT SCIENCE
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APPENDIX 3.4

Phase I Cultural Resource Inventory

Phase I Cultural Resource Inventory

for the 1355 California Circle Project EIR

Milpitas, Santa Clara County, California

Prepared for Impact Sciences



ALBION

FEBRUARY 2023 DRAFT

Phase I Cultural Resource Inventory for the 1355 California Circle Project EIR, Milpitas, Santa Clara County, California

FEBRUARY 2023 DRAFT
J2022-062.01
Photo Credit: Amanda Hill

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Executive Summary

In May 2022, Impact Sciences contracted with Albion Environmental, Inc. (Albion) to conduct a Phase I cultural resource inventory and AB 52 Consultation on behalf of the City of Milpitas for the 1355 California Circle Project Environmental Impact Report (EIR), Milpitas, Santa Clara County, California. The Project proposes to construct up to 206 new residential units on the 6.69-acre Project Area. The Project is subject to the California Environmental Quality Act (CEQA) and Assembly Bill 52 (AB 52). The City of Milpitas (City), as the lead CEQA agency, has requested a proposal for a Phase I Cultural Resources Inventory and assistance in meeting their AB 52 responsibilities.

Albion's investigation included archival research, a background records search at the NWIC, Native American Outreach and AB 52 consultation, and a pedestrian survey of the Project Area. The investigation was designed to address treatment of cultural resources under current CEQA guidelines (Public Resources Code 21000 et seq.) and cultural resource requirements of the County of Santa Clara. Native American consultation and outreach is currently underway and will be updated to this draft report once completed. The results of this consultation may impact the current recommendation listed below.

A search of records at the NWIC indicates three cultural resource studies have been conducted within the Project Area and an additional 15 cultural resource studies within a $^1/_4$-mile radius of it. No previously recorded cultural resources were identified within the Project Area nor within a $^1/_4$-mile radius of it. Surface visibility in the Project Area was generally poor, as the Project Area was covered by existing roadway/roadside, commercial development, hardscaping, and landscaping. In the few areas where soil was visible, no artifacts or features were identified. According to historical imagery, the Project Area appears to have remained undeveloped until at least 1980. Although no buildings or obvious infrastructure are present in the 1980 aerial photograph, the landscape within the Project Area and surrounding it appear to have been altered, with areas possibly bulldozed or graded and several meandering dirt roads throughout. However, as no buildings or other infrastructure are located in the Project Area, the potential for encountering historic resources is low.

For precolonial resources, it is Albion's judgement that the Project Area has moderate potential to contain buried archaeological deposits. The geology of the area is defined as Quaternary alluvium and marine deposits that date from the Pleistocene to Holocene epoch (United States Department of Agriculture 2023). The terrain is relatively flat with the Calera Creek located approximately 230m to the west of the Project Area and Coyote Creek located approximately 260 m to the east. Based on this moderate sensitivity and the poor visibility of the study area, Albion recommends that initial ground disturbance be spot-checked by a qualified archaeological monitor.

If previously unidentified cultural materials are unearthed during construction, it is CEQA policy that work be halted in that area until a qualified archaeologist can evaluate the nature and significance of the find. An additional archaeological study may be needed if Project limits are extended beyond the present study limits.

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A Records Search Results

Introduction

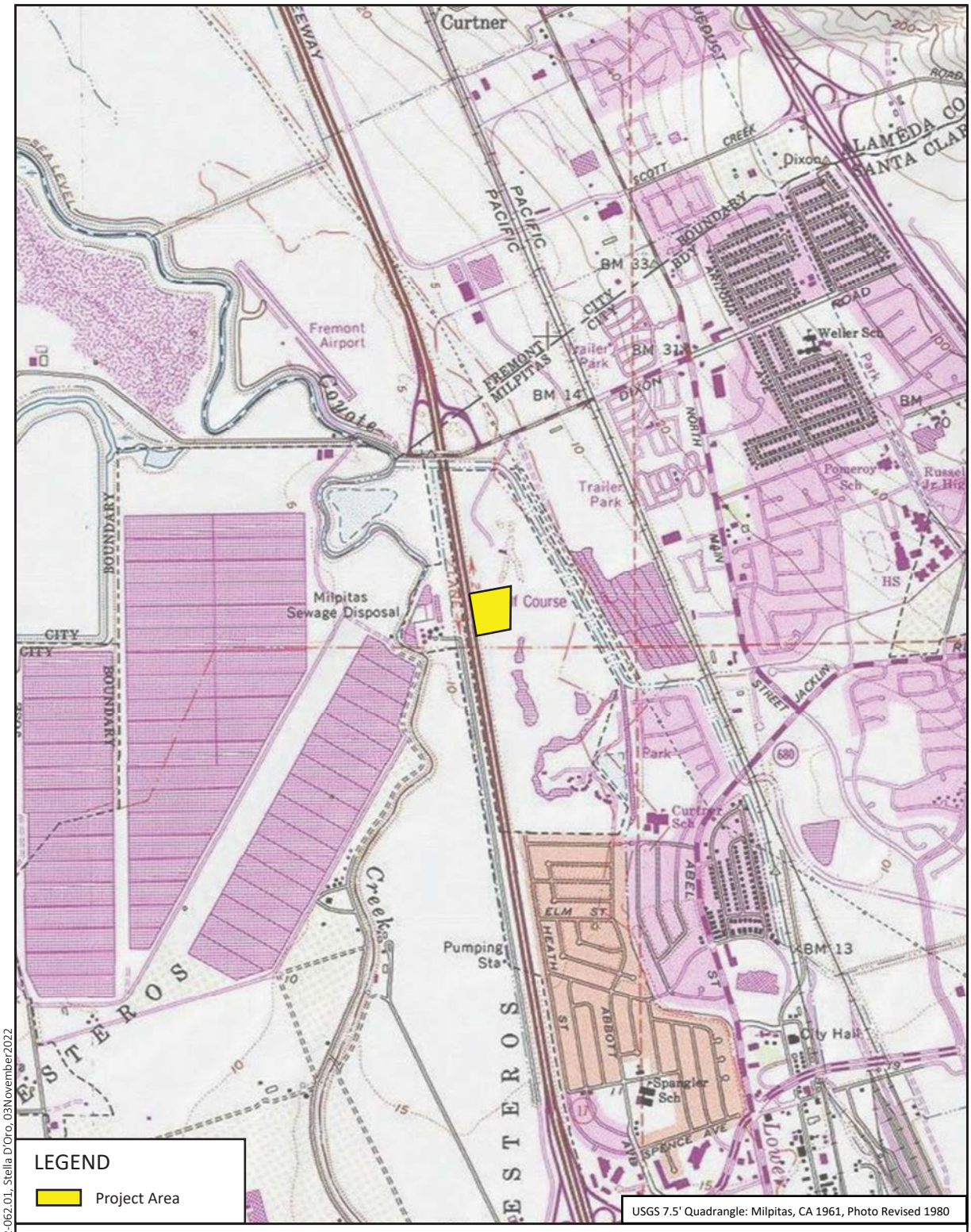
1

This report documents the results of a Phase I cultural resource inventory of a Project Area at 1355 California Circle, Milpitas, Santa Clara County, California (Figures 1 and 2). Impact Sciences is proposing to construct up to 206 new residential units on the 6.69-acre Project Area. This will include five (5) three-story townhome buildings, eight (8) four-story condominiums, and a six-story below–market rate apartment building.

Since the Project requires permits from the City of Milpitas (City), the Project is subject to environmental review under the California Environmental Quality Act (CEQA), and therefore the City required an archaeological study prior to completion of the application for permits. Albion's Phase I cultural resource inventory included archival research, a review of records from the Northwest Information Center at Sonoma State University (NWIC), Native American stakeholder outreach, and an intensive surface survey of the Project Area. The investigation was designed to address treatment of cultural resources under current CEQA guidelines (Public Resources Code 21000 et seq.) and cultural resource requirements of the County of Santa Clara.

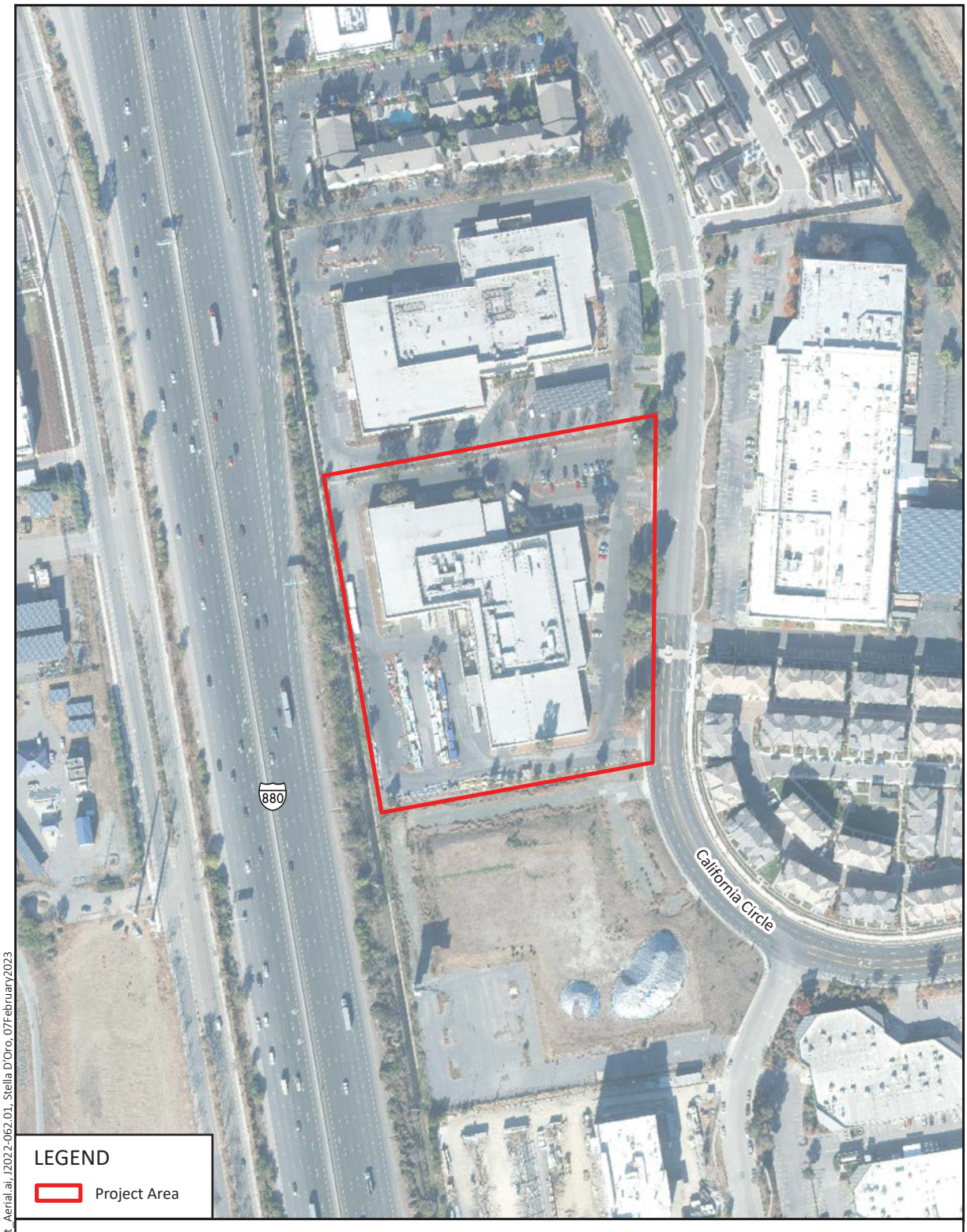
The records search was requested by Albion Senior Archaeologist Stella D'Oro in November 2022 and was conducted by Justin Murazzo (NWIC file No.: 22-0738). The subsequent pedestrian survey was conducted by Albion Archaeologist Amanda Hill on November 21, 2022. Ms. Hill holds a BA in Anthropology and has been working in California archaeology for over six years. The project was supervised by Chelsea Blackmore, who holds a PhD in Anthropology has been working in California archaeology for over 11 years.

Native American consultation and outreach is currently underway and will be updated to this draft report once completed. The results of this consultation may impact the current recommendation listed in Chapter 7.



File name: Figure_1.ai; J2022-062.01; Stella D'Oro; 03November2022

Figure 1. Location map, 1355 California Circle, Milpitas, Santa Clara County, California.



File name: Figure_2_Current_Aerial.ai, J2022-062.01, Stella D'Oro, 07February2023

Figure 2. The Project Area.

Project Information

2

PROJECT LOCATION

The Project Area is at the north end of Milpitas at approximately 20 feet (6.09 meters) above sea level (Figures 1 and 2). The Project Area sits east of Interstate 880 and west of California Circle. The Project Area measures approximately 6.69 acres approximately and is located 10.5 kilometers east of the modern boundary of the southeast inlet of the San Francisco Bay, approximately 260 meters east of Coyote Creek, and approximately 230 meters west of Calera Creek. The surrounding area is comprised of industrial buildings, and suburban neighborhoods. Soils in the Project Area are mapped primarily as Urbanland-Campbell complex with 0 to 2 percent slopes in alluvial deposits characterized by silt loam, silty clay loam, and silty clay. The A horizon is characterized by the following strata: Ap – 0 to 10 inches: silt loam; A1 – 10 to 24 inches: silt loam; A2 – 24 to 31 inches: silty clay loam; A3 – 31 to 38 inches: silty clay loam; 2A – 38 to 51 inches: silty clay loam. The B horizon is characterized by the following strata: 2Bw1 – 51 to 71 inches: silty clay and 2Bw2 – 71 to 79 inches: silty clay (United States Department of Agriculture 2023). The geology of the area is defined as Quaternary alluvium and marine deposits which are characterized by alluvium, lake, playa, and terrace deposits. The geology dates to the Pleistocene to Holocene epoch (United States Department of Agriculture 2023).

PROJECT DESCRIPTION

The Project proposes to construct up to 206 new residential units on a 6.69-acre site, which would equate to an overall density of 30.7 dwelling units per acre. Seventy-five of these units are projected to be low- to moderate-income rental units. Construction would consist of townhomes, condos, and apartments varying in height from three to six stories, and varying in size from 1,450 to 2,000 square feet. The site currently has a 90,000-square-foot building that has been vacant for a number of years (see Figure 2).

Sources Consulted

3

RECORDS SEARCH

Justin Murazzo, Researcher for the NWIC, provided the results of a records search for a $^1/_4$-mile radius of the Project Area on November 14, 2022 (Appendix A). In addition to official maps and records, the following sources of information were consulted as part of the records search:

- National Register of Historic Places
- California Register of Historical Resources—Determined Eligible Properties
- California State Historic Property Data Files
- California Points of Historical Interest
- California Historical Landmarks
- Caltrans State and Local Bridge Survey
- Office of Historic Preservation Archaeological Determinations of Eligibility
- Special Research Collections at the UCSB Library (Aerial Images and Historic Maps)

PREVIOUS CULTURAL RESOURCE STUDIES

According to the NWIC, three cultural resource studies have been conducted within the Project Area (Table 1). These studies consisted of archaeological field studies, specifically Phase I surveys.

Table 1. Previous Cultural Resource Studies Within the Project Area.

NWIC Report No.	Title of Study	Author and Year
S-008368	Archaeological Reconnaissance of the Milpitas Golf Course parcel in Milpitas, California	Dietz, S. (1980)
S-008977	Archaeological Survey Report, highway widening from Montague Expressway in Santa Clara County to Route 262 in Alameda County, 04-SCL/ALA-880 P.M. 6.7/10.5-0.0/2.3 04570-112820	Gross, R. (1986)
S-025043	Historic Property Survey Report, Route 262/Warren Avenue/I-880 Interchange Reconstruction and I-880 Widening Project	Chavez, D. (2001)

According to the NWIC, 15 cultural resource studies have been previously conducted within a 1/4-mile radius of the Project Area (Table 2).

Table 2. Previous Cultural Resource Studies Within a $^{1}/_{4}$-Mile Radius of the Project Area.

NWIC Report No.	Title of Study	Author and Year
S-004772	An Archaeological Reconnaissance of the Santa Clara County Flood Control and Water District East Zone Flood Control Project	Jackson, T., Holman, M., Stephen, D. (1973)
S-006072	Archaeological Survey Report, Coyote Creek Flood Control Project Located Between San Francisco Bay to Montague Expressway, City of San Jose, Santa Clara County, California	Garaventa, D., Bateman, D., Findlay, J., Harmon, R., McCormack, W., Anastasio, R.L., Bard, J. (1983)
S-006410	Archaeological Survey Report Coyote Creek Flood Control Project Located Between San Francisco Bay to Montague Expressway, City of San Jose, Santa Clara County, California	Garaventa, D., Bard, J., Harmon, R., Gowan, A., Anastasio, R.L. (1984)
S-006822	An Archaeological Survey of the McCarthy Ranch Located Between Coyote Creek, Highway 17, Dixon Landing Road and Highway 237, Milpitas, California	Bard, J., Garaventa, D., Harmon, R., Anastasio, R.L., Cody, A., Parsons, J. (1984)
S-009133	Archaeological Reconnaissance of Additional Portions of the Milpitas Golf Course EIR Properties in Milpitas, California	Dietz, S. (1980)
S-010200	Cultural Resources Evaluation for the Fremont-South Bay Corridor Study: Alternatives Analysis, Alameda and Santa Clara Counties, California	Chavez, D., Woodbridge, S., Hupman, J. (1988)
S-011971	Cultural Resource Evaluation for a Parcel on Cadillac Circle in the City of Milpitas County of Santa Clara	Cartier, R. (1989)
S-018289	Cultural Resources Assessment Alviso Master Plan Area City of San Jose, Santa Clara County, California	Busby, C. (1995)
S-021390	Cultural Resources Survey for PG&E's Proposed Northeast San Jose Transmission Reinforcement Project	Holson, J., Edwards, J., Ballard, H., Compass, L. (1999)

NWIC Report No.	Title of Study	Author and Year
S-023382	Cultural Resources Assessment, Historic Properties Affected or Potentially Affected by the South Bay Water Recycling Program Phase 2 Facilities, Modifications to Existing Segments SJ-1, SJ-2, SC-2, SC-5, M-1 and New Segments SJ-3, SJ-4, SJ-5, SJ-6, SJ-7, M-2, M-5, Cities of San Jose and Milpitas, Santa Clara County	Basin Research Associates, Inc. (2000)
S-024981	Cultural Resources Assessment, Coyote Creek Trail Project, Cities of Milpitas and San Jose, Santa Clara County	Basin Research Associates, Inc. (2000)
S-025031	Cultural Resources Assessment, Bay Trail Master Plan Project, City of San Jose, Santa Clara County, California	Basin Research Associates, Inc. (2001)
S-046399	Historic Property Survey Report for the MTC Interstate 880 Express Lane Phase I Project, Alameda and Santa Clara Counties, California: State Route 84 04-ALA-84 PM R3.0-R6.1, State Route 92 04-ALA-92 PM R2.5-R6.5, Interstate 880, 04-SCL-880 PM 7.5-10.5, 04-ALA-880 PM R0.0-26.4, EA 04-3G920	Leach-Palm, L., Miller, C. (2015)
S-046599	Extended Phase I Investigation for the Alameda Interstate 880 Median Barrier Replacement Project, Alameda County, California; Interstate 880, 04-ALA-880, PM R2.9-27.6, EA 04-2J070, Project ID 040000425	Kaijankoski, P., Meyer, J., Leach-Palm, L. (2015)
S-049327	San Jose-Santa Clara Regional Wastewater Facility Capital Improvement Program, Cultural Resources Survey Report (Combined Archaeological Survey Report and Historic Resources Evaluation Report)	Brennan, E., Brewster, B., Koenig, H. (2016)

PREVIOUSLY RECORDED CULTURAL RESOURCES

According to the NWIC, there are no previously recorded cultural resources within the Project Area nor within a $^{1}/_{4}$-mile radius of the Project Area.

HISTORICAL AERIAL IMAGERY

Albion also conducted online research of historic maps and aerials and found information pertinent to the Project Area from the following:

- 1858 plat map
- 1869 GLO plat map
- 1899 topographic map
- 1961 topographic map

- 1968 aerial photograph
- 1980 aerial photograph

AB 52 Consultation and Outreach

4

This portion of the draft will be updated once consultation and outreach are completed. The results of this section may impact or alter the current recommendation outlined in Chapter 7.

Cultural Context

5

PRECOLONIAL CONTEXT

CHRONOLOGY

Prehistory of the southern San Francisco Bay area is complex due to the dramatic increase in human populations from middle to late Holocene times (Milliken et al. 2007). Cultural chronology is quite variable spatially but is generally framed within a tripartite sequence that is commonly used in central California—Early, Middle, and Late (Hylkema 2002; Milliken et al. 2007). These temporal periods are preceded by early to middle Holocene occupation, often characterized as the Millingstone Period (Hylkema 2002; Milliken et al. 2007).

The Millingstone Period (9000–5500 years BP) is characterized by small groups who travelled widely and practiced broad spectrum foraging of easily acquired plant and animal resources. Artifacts common to this time period are handstones and millingstones. Flaked stone implements, such as projectile points, are much less common than grinding and battering tools (Fitzgerald 2000). Common foods are thought to have included a variety of small seeds, shellfish, and small mammals.

The Early Period ranges from approximately 5500–2500 BP and encompasses an era where people are thought to still have practiced wide-ranging residential mobility but placed a greater emphasis on hunting larger game. Large pinnipeds, such as northern fur seal, are common to coastal archaeological sites during this time. Several styles of large projectile points correspond to this general time frame, which also marks the initial use of mortar and pestle technology.

The Middle Period dates from 2500–1000 BP and appears to represent a time when people were somewhat more residentially stable and practiced more logistical (short-term) mobility (Milliken et al. 2007:106). By this time, people apparently went on extended resource acquisition forays for the purpose of bringing subsistence or trade items back to residential base camps. Large, terrestrial mammals were hunted more often during this time and grinding implements become more common (Milliken et al. 2007:107).

The Late Period begins at 1000 BP and extends to ca. 1550 BP (Hylkema 2002:33), or perhaps more recently. The Late Period is characterized by increased sociopolitical complexity and settlement centralization. Large village sites in the northern Santa Clara Valley are often found in the valley center along perennial streams (Bergthold 1982; Milliken et al. 2007). There is continued prevalence of mortar and pestle technology, thought to signify a greater reliance on acorn than in earlier times. Other labor-intensive foods were also used with greater frequency during this latest time period (Hylkema 2002). For example, sea otter and harbor seal were exploited more heavily. These animals are thought to be more labor-intensive to capture compared to other pinnipeds and large mammals,

which were more commonly hunted in earlier time. Bow and arrow technology is also believed to have been adopted by aboriginal hunters during this latest precolonial interval (Milliken et al. 2007:117).

LOCAL PRECOLONIAL CONTEXT

Archaeological studies indicate that the southern Santa Clara Valley was occupied as early as 10,000 years ago. A research design proposed by King and Hickman (1973) for the region has identified broad periods of occupation between 7000 and 400 BP.

The earliest period, the Millingstone Horizon (7000–4000 BP), was thought to represent the first aboriginal groups in the Valley. King and Hickman proposed that these populations were the result of overpopulation in the coastal areas of southern California. As population pressures increased in these regions, pioneering groups are thought to have moved into previously unoccupied territories. Archaeological evidence for this period is scant; occupation components reveal low artifact counts, few radiocarbon dates, and poor depositional integrity (Hildebrandt and Mikkelsen 1993:34). Tool assemblages from a cluster of sites located near Coyote Creek just north of Morgan Hill (CA-SCL-178, -237, and -167) reveal a preponderance of small, informal flake tools, handstones and milling slabs, and an absence of beads and ornaments (Hildebrandt 1983). Radiocarbon assays from one site (CA-SCL-178) range from 10,000 to 8500 BP, indicating earlier occupation of the Valley than proposed by King and Hickman.

The next period identified by King and Hickman is the Middle Horizon (4000–1500 BP). Aboriginal settlements during this interval are thought be more permanent than during the Millingstone Horizon. They also propose that population densities increased during this time stimulating dependence on a stored food economy with an emphasis on acorn processing. Continued population growth is thought to have resulted in tremendous economic stress and an increase in warfare. King and Hickman hypothesize that native populations attempted to alleviate this stress in a number of ways including population control and adjustments in settlement strategy.

The last period of occupation, the Protohistoric Period (1500–400 BP), is characterized by a return to a settlement system marked by highly dispersed populations and an increase in temporary habitation sites.

Archaeological evidence from the Coyote Creek sites indicates that acorn processing did indeed grow in importance sometime between 4000 and 2750 BP. This is seen in an increase in the number of mortars and pestles recovered from sites dating to this time (Hildebrandt and Mikkelsen 1993:34). Evidence does not, however, appear to substantiate King and Hickman's claim for permanent settlements during the Middle Horizon. In fact, artifact collections from the Coyote Creek area dating to this time are very similar to the previous interval. Flake tools continue to dominate assemblages, and there is continued absence of bone tools, beads, and ornaments. Further, investigations of components dating between 2700 and 1450 BP actually indicate a decline in artifact density and assemblage diversity at a time when King and Hickman predict a peak in large, permanent settlements. Finally, King and Hickman's depiction of precontact aboriginal groups as highly dispersed mobile populations is not at all supported by ethnographic accounts at the time of contact with the first Europeans.

ETHNOGRAPHIC BACKGROUND

SOCIOPOLITICAL ORGANIZATION

According to Kroeber, the "tribelet" defined the basic unit of most Native Californian political organizations. In his 1925 *Handbook of the Indians of California* and later in his 1932 publication, "The Patwin and their Neighbors," Kroeber observed that the dizzying array of different social and political groupings in Native California was far different from other parts of North America. He argued that the concept of the tribe, used with ubiquity elsewhere in North America, was simply not an adequate description of the many and varied social groupings in California. As a result, Kroeber coined the term tribelet[1] to describe the basic social and political organization of a majority of California's Native peoples The tribelet was defined as a social aggregation consisting of a principal village and one or more outlying villages or hamlets. Within these villages were household groups that consisted of immediate family members (parents and children) and any associated relatives (either collateral, lineal, or affinal) living together. These villages were gathered together on the basis of a shared language, culture, and identity. Typically, tribelets defined communal territorial boundaries and engaged in regularized intergroup relations such as hunting and gathering and ritual observances. There was little economic specialization among members, except for differences in economic activities among the sexes. The tribelet, moreover, was autonomous, self-governing, and independent. Political unity in tribelet populations was seen as nominal, with leadership loose and rather informal. In the particular case of the Ohlone, Kroeber (1925:468) argues that the chief, whose influence was seen to be limited, nonetheless took an active role in warfare.

[1] Albion notes that the term "tribelet" is a controversial concept. In recent years, a number of scholars have pointed out the inadequacies of the term, and indeed, some modern Native American groups have argued that it is "demeaning" (see, for example, Leventhal et al. (1994) and Lightfoot (2005)). One of the main criticisms of the concept is that it has downplayed not only the potential for larger populations in pre-colonial California, but also more elaborate organizational, hierarchical, and political structures than previously believed, or allowed by Kroeber's concept.

Bean (1974) was one of the first to criticize the concept; he pointed to, among other features, the existence of distinctive status and even class differentiations among some Native Californian groups. Archaeological findings have also challenged the Kroeberian notion of California Indians living in mainly egalitarian and loosely-structured societies. By the same token, Bean was not inclined to abandon the concept of the tribelet, but simply to broaden it. As Lightfoot (2005:46) has noted:

> Scholars today recognize that the ethnographic data collected by early Berkeley anthropologists represent a treasure trove of information on Native Californian societies. Yet, in appreciating the significance and monumental efforts of this fieldwork, they also recognize problems that underlie reconstructions of the past based on memory culture interviews. Kroeberian anthropology perpetuates a synchronic view of Native Californians captured forever in the 'ethnographic present,' with no appreciation of their deep and diverse histories. Kroeber believed he could reconstruct a baseline for aboriginal California peoples using the memory culture methodology, because he assumed that little change had taken place in these cultures over time. But this assumption is no longer tenable, given archaeological findings of histories that extend back twelve thousand years or more for some Native California peoples.

The foregoing does not suggest that Kroeber's tribelet concept has been abandoned by today's California specialists; indeed, it remains in the forefront of many interpretive reconstructions (see Bettinger 2015 and Golla 2011, for example).

Most later ethnographers relied on the tribelet concept to describe Ohlone sociopolitical organization. According to Levy (1978:485), for example, the Ohlone lived in approximately fifty autonomous tribelet villages scattered throughout central California and including the area that is present-day Santa Clara County. While this number, fifty, is almost certainly inaccurate, it is also possible that the concept of the tribelet may not have been an accurate description of the Ohlone, either. Milliken et al. (1993:24), in particular, have questioned the validity and usefulness of the term. They are inclined to use the term "tribe," as originally defined by Elman Service (1962), in describing Ohlone sociopolitical organization. They argue that this term better describes Ohlone polities during ethnohistoric times, which, in general, can be defined as united groups of families with a clearly defined sense of territorial boundaries that required defense against foreigners. Their conception of Ohlone sociopolitical organization is described in the following passage:

> The socio-political groups of west-central California, were clusters of unrelated family groups which formed cooperative communities for ceremonial festivals, for group harvesting efforts, and most importantly, for inter-family conflict resolution [sic]. In some parts of Central California, such multi-family communities lived for much of the year in a single large village centrally located on their lands. In other parts, the communities lived in two, three or as many as five semi-permanent villages (Milliken et al. 1993:24).

Milliken et al. (1993:24) also maintain that Ohlone chieftainship was likely not as loose or informal as frequently suggested, but that chiefs, or *capitanes*, likely exerted greater social authority and control of subordinates, and wielded special privileges not shared by the other members of the society. This might be attested to in the fact that, while monogamous marriage was apparently the rule among the Ohlone, chiefs were permitted multiple wives (Kroeber 1925:469).

SETTLEMENT AND SUBSISTENCE

Estimates of total Ohlone population during the time of European contact are varied. Kroeber (1925) suggested an estimate of 7,000 people, while Cook (1943) posited a total of about 11,000 at the beginning of the Mission period, and Heizer (1974b) and Levy (1978) estimated about 10,000. Based on mission records, Milliken (1995:25) estimated a population density of about 2.5 people per square mile. In the San Francisco peninsula area, Milliken (1995:19) claimed that the earliest explorers usually encountered native villages every "three to five miles," and noted that their descriptions suggested village populations numbering from 60 to 90 persons. Elsewhere in Ohlone territory, estimates of village size ranges from 200 to 400 people. Milliken (1995:19) reported that the largest Bay Area village, near Carquinez Strait, contained some 400 people. Other large villages were located on San Francisquito Creek (250 inhabitants), and on the coast at Point Año Nuevo.

The Ohlone were hunters and gatherers who supported themselves largely or entirely by the exploitation of natural plants and animals. They followed a seasonal round of resource availability. Life varied with the seasons, requiring dispersed family groups to move over the tribelet territory during seasons of abundance when a heavy labor effort was required; resources were stored for the lean winter and early spring when the tribelet tended to congregate together (Levy 1978).

Although the Ohlone consumed a variety of different foods, most references to ethnographic subsistence practices indicate that they relied on the acorn as a staple food (Broadbent 1972; King 1974; Milliken 1995:17). The preferred acorns came from Tanbark Oak (*Lithocarpus densiflorus*), Valley Oak (*Quercus lobata*), Coast Live Oak (*Quercus agrifolia*), and California Black Oak (*Quercus*

kelloggii). Readying the acorns for consumption was an involved process. Acorns were usually collected in fall and ground into flour using stone pestles in either portable stone or bedrock mortars. The flour was leached in freshwater streams to remove the tannic acid. Acorn meal was consumed during winter as mush or cakes (Broadbent 1972:61). In addition to acorns, other important plant resources were Buckeye (the nuts of which were leached and made into a mush), and the seeds of dock, gray pine, and tarweed, all of which were roasted in baskets with hot coals before eating. Berries gathered by the Ohlone included gooseberries, blackberries, madrone, and wild grapes. Roots were also gathered; these included wild onion, cattail, and wild carrot. For coastal groups, kelp was a common food, which was sun-dried and roasted (Broadbent 1972).

Shell mounds attest to the importance of shellfish in the Ohlone diet, particularly for coastal populations. Indeed, there are many references to shellfish collection and consumption in the diaries of Spanish explorers, indicating that this resource was of significance to contact-period diets. Shellfish resources of primary importance included mussels (*Mytilus* sp.), abalone, (*Haliotis* sp.), and various clam, oyster, and scallop species. Mussels, clams, and other species were probably collected year-round, but primarily during winter, and were harvested by hand or with prying bars or sticks. Clams were dug from beds within tidal flats, and a variety of fish (salmon, sturgeon, steelhead, and numerous other species native to California waters) were captured with spears or nets from riverine or coastal habitats (Broadbent 1972; Levy 1978). In addition, sea lions, seals, and sea otters were taken, generally by clubbing them on the beaches (Baumhoff 1963:17). The meat of beached whales was also occasionally consumed after being roasted in earth ovens. Some Ohlone groups also used small “balsas,” or rafts made from tule reeds, not only to exploit marine fishes but also to obtain lakeside waterfowl, such as ducks and geese.

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Various land animals were also important to Ohlone subsistence. Large terrestrial game mammals such as deer, pronghorn, and tule elk (Baumhoff 1963:17) were key sources of protein. In order to facilitate the hunting of deer, the Ohlone periodically practiced controlled burning of chaparral-bearing grasslands and woodlands. These fires cleared lands of dense vegetation cover and increased the productivity of grasses and stimulated regrowth of tender shoots that attracted browsing deer. Rabbits were also taken. These were hunted in large, communal drives and snared in nets, where they were summarily clubbed to death. Other small game taken included squirrel, ground squirrel, woodrat, and even mouse and mole (Levy 1978:491). Insects such as caterpillars and grasshoppers were also collected and eaten.

RELIGION, WORLD VIEW, AND RITUAL

Little is known about Ohlone religion, mythology, and cosmology. This is hardly surprising; during the Mission Period, for example, Indigenous beliefs were actively discouraged, disparaged, and practitioners frequently persecuted. As a result, by the time ethnographers began to gather data on subjects like religion, there were few who understood all its various aspects. In general, however, most ethnographers agree that Ohlone beliefs were similar to the beliefs of other Indigenous Californians (e.g., Kroeber 1925:470-473; Levy 1978:489-490). Like other Native groups, the Ohlone believed that there existed a supernatural realm, apart from the physical world, which was peopled by spiritual beings, some of whom possessed great powers. This belief, which permeates many other Indigenous groups worldwide, is best classified as animism—a belief in both the existence of spiritual beings and the notion that all natural objects are animated by spirits.

The pantheon of supernatural beings recognized by the Ohlone, like other aspects of Ohlone religion, remains incompletely understood. The sun, however, appears to have been one of several principal deities. Prayers were directed to the sun through offerings of smoke, seeds, tobacco, and shell beads (Kroeber 1925; Broadbent 1972; Levy 1978). Sun-worshipping among the Ohlone is also mentioned in the writings of Fages (see Mason 1912:182-183) and by Father Juan Amorós of Mission Carmel (Geiger 1950:479). Kroeber (1925:471) notes that sun-worship, if it indeed did occur among the Ohlone, was unusual because the practice was typically not widespread among most California Indigenous groups. Other prominent deities included Eagle, Hummingbird, and Coyote (Heizer 1974a:72-73; Mason 1912:187). These figures feature prominently in Ohlone mythology. Coyote, for example, was reputed to have taught the Ohlone the arts of subsistence. Another prominent deity was the mysterious figure known as *Kuksu*, *Cucusuy*, or *Kuksui*.

In addition to the Ohlone, the supernatural figure of *Kuksu* is recognized by a number of different central Californian groups, such as the Pomo, Maidu, Miwok, Salinan, and the Patwin, among others. These groups, however, apparently differ in their interpretations of the entity. Among the Pomo, for example, he is identified as a deity associated with the south, and is one of the two creator gods who created the world "by the power of his words" (Loeb 1932:3). Among the Miwok, by contrast, he is a forest spirit (Gifford 1927:216).

ETHNOHISTORY AND THE CONTEMPORARY OHLONE COMMUNITY

The Ohlone first came into contact with Europeans in 1602–03 during the voyage of Sebastian Vizcaino, who briefly described the Ohlone inhabitants of Monterey (known as the Rumsen):

> The land [is] well populated with Indians without number many of whom came on different occasions to our camp. They seem to be gentle and peaceful people; they say with signs that there are many villages inland. The sustenance which these Indians eat most of daily, besides fish and shellfish, is acorns and another fruit larger than a chestnut; this is what we could understand of them. (Vizcaino [1602] in Broadbent (1972)

This contact was brief, and it was not until nearly 170 years later that the Ohlone again made contact with the Spanish. In 1769, Gaspar de Portola, traveling north by land along the Pacific Ocean from San Diego in order to establish a settlement in Monterey, was the first European to sight San Francisco Bay. As he journeyed through Ohlone territory, Portola gave brief descriptions of the Indians he encountered. Shortly thereafter, in 1770, Lieutenant Pedro Fages led a small expedition

inland from Monterey. One of the expedition's chroniclers, Juan Crespi, made extensive notes on the aboriginal inhabitants of the area. From that time on, the Spanish were a constant presence in the lives of the Ohlone. Between 1770 and 1797, seven missions were established within Ohlone territory (Levy 1978).

The Mission period (1776–1834) saw the disruption of traditional Ohlone culture and lifeways. As the Ohlone were gradually brought into the mission system, and placed under the protection and tutelage of the Mission fathers, they lost much of their erstwhile autonomous existence and traditional lifeway. Compounding the difficulties and disruption to traditional life, the Mission fathers inducted members of distant and distinct tribes into the Mission neophyte population. At Mission Santa Cruz (founded 1791), for example, Costanoan peoples were joined by Northern Valley Yokuts, conscripted from the San Joaquin Valley, as the local Indian workforce succumbed to diseases and hardships ubiquitous to the Spanish and Mexican missions.

In 1834, under the new Mexican government, secularization of the mission lands began in earnest. The Indigenous population scattered away from the mission centers, and the few that were given rancherias from the mission lands were ill-equipped to maintain or work their land. Most of the former mission land was divided among loyal Mexican subjects, and the few Ohlone who chose to remain in their ancestral territory were obligated to become squatters. Some were given jobs as manual laborers or domestic servants on Mexican, or later American, cattle ranches.

The Ohlone underwent a period of near cultural anonymity from the mid-19th century to the relatively recent past. During this time Ohlone often presented themselves as other than Indian to the outside world, in large part to the discrimination suffered during and after the mission period. Present day Ohlone descendants often remark that they were unaware of their heritage or that elders and relatives had at least not encouraged an interest in Ohlone heritage.

As was common elsewhere in California, Native peoples were forced to live on the fringes of American society, often in settlements near ranches or towns, or were subjected to forced assimilation. Often Ohlone descendants identified themselves as of Mexican heritage, in many ways a valid self-description considering the close ties, often marital between the Ohlone and Mexican groups. This, however, served to mask Ohlone identity for a long period.

The so-called plight of California Indians, often considered "shameful" by observers in the period, brought the attention of the federal and State governments and religious groups and missionaries. Few true reservations had been established in California at the time of the American ascension to authority in 1850, so at the beginning of the 20th century a large number of "rancherias" were established throughout California to accommodate "landless Indians". These were administered by the federal government and were strongly influenced by religious agents. Unfortunately, rancherias were not established in Ohlone territory, at least not formal rancherias that would fit the criteria of federal trust status. As a result, the present-day Ohlone community has been forced to seek federal trust status or formal recognition by the federal government, in the absence of a rancheria land base. Thus far no group within the greater Ohlone community has been able to navigate the hurdles to federal recognition. In the absence of such recognition, the Ohlone are denied the many benefits of federal trust status, and, importantly do not have the same standing as recognized tribes under regulations such as Section 106 of the NHPA. Currently under Section 106 Ohlone representatives occupy the lesser role of "interested persons" as opposed to "concurring parties".

Recognition of Ohlone heritage, while present in some form since mission times, became more public in the 1960s and 1970s. A general recognition that civil rights had been denied to minority or ethnic populations, the explosion of the pan-Indian movement, and the political statements made in such places as Wounded Knee and Alcatraz, brought the "plight" of the Native American into sharp focus. Within this context, the Ohlone began to take a much greater public interest in the protection of their heritage, cultural, spiritual, and physical. This was strongly expressed in a unified desire to preserve those elements of the traditional Ohlone lifeway still visible on the landscape: archaeological deposits from villages and camps, spiritual and ceremonial locales, and particularly burial sites.

At present the Ohlone in the Santa Clara region are represented by a number of individuals, in turn representing themselves, family groups or organized Ohlone community groups. Interest in heritage resources in the Monterey and San Francisco Bay Areas has become the purview of Ohlone throughout the region, and their involvement has continued to grow.

HISTORIC CONTEXT

THE SPANISH MISSION PERIOD

In 1777, the first Mission in Santa Clara was established in what would later be known as the Santa Clara Valley, though at the time was called *Llano de Los Robles* (or "Plain of the Oaks") by the Spanish (Garcia 1997:5). The valley formed a broad, grassy plain that was dotted with oaks and well-watered by creeks and streams. Numerous Native villages also occupied the region, an important reason the Spanish decided to establish a Mission in the area. The reason for colonization in California was to protect the Spanish-owned, northern Mexico silver mines and other New World investments from Russians encroaching from the north (Archibald 1978:xi; Webb 1952:3). Establishing missions, presidios, and pueblos was seen as an inexpensive way of protecting northern Mexico, while simultaneously attempting to spread Spanish culture and Christian faith. Interactions between Franciscan priests, diverse soldiers of the Crown, and local and non-local Indigenous peoples took place under this economic and political regime for nearly sixty years, and under Spanish and later Mexican governments.

Movement of Indigenous peoples to the Spanish Missions was one response to the many ways the Spanish and Mexican governments, and their supporters, disrupted local communities. Franciscan priests reproduced the common Spanish colonial practice of moving Native peoples into mission centers, strategically disassociating them from their homelands and the mythical landscapes, graves of their ancestors, and the named rocks and landmarks contained therein (Lightfoot 2005:65; Margolin 1989:33). The historical record tells us this practice created mission populations composed of peoples from variable ethnolinguistic groups and very distant polities. During several population spikes, more than 1400 Native Americans lived at Mission Santa Clara. Mission Santa Clara's historic documents indicate a steady influx of Ohlone, Northern Valley Yokuts, and Miwok populations from diverse villages within those ethnolinguistic territories. Milliken (2002:60-61) summarizes the mix of Native groups at Mission Santa Clara in 1836, at the end of the Mission Period:

> At the beginning of that year there were 1,189 baptized Indians at the Mission and its outlying ranches. About one-third of them, 367 people, were Ohlone-speakers from the original villages of the Santa Clara Valley environs or their descendants (31% of the total). The great majority, 622 people, were Native Yokuts speakers from the San Joaquín Valley,

> and their children (52% of the total). In addition, 37 young people were descendants of Ohlone-Yokuts Mission marriages (3% of the total). Sierra Miwok-speaking migrants from the Sierra Nevada foothills totaled 104 people (9% of the total). Another 50 people from the "tulares" were either Miwok or Yokuts speakers (5% of the total).

Thus, the Indian village at Mission Santa Clara is best viewed as a growing and changing amalgam of Indigenous peoples drawn at first from the San Francisco Bay region and later as far away as the San Joaquin Valley and the foothills of the Sierra Nevada. The population represented dozens of formerly autonomous tribelets of no more than a few hundred people, some closely related culturally and linguistically, others from vastly different traditions. The community or perhaps communities within the village were adjusting to both the Spanish Colonial regime and to day-to-day relationships with people with whom they had little or no contact prior to the advent of the Mission. These adjustments and the creation of new personal and community identities are reflected in the archaeological record.

Along with the establishment of twenty-one missions (religious institutions), four presidios (military forts) and three pueblos (civil towns) were also established in Alta California. The presidios (San Diego, Santa Barbara, Monterey, and San Francisco) provided support for the religious goals of the missionaries, and also presented a military force to Russian settlers, other foreigners, and local Indigenous peoples. The pueblos (San Jose, Los Angeles, and Branciforte) were solely devoted to agricultural pursuits; their purpose was to raise crops to provide for the presidio population, relieving Mexico from having to supply food to the population in this new region, and provide a buffer against the often-delayed San Blas shipments (Garr 1976:94; Winther 1935:4). With this goal, early explorers in Alta California found sites for establishing such towns and ranchos, and soldiers and civilians of mixed backgrounds were selected to settle these places, and the earliest historic towns were developed in California.

THE MEXICAN RANCHO PERIOD

In 1821, Mexico achieved independence from Spain, and word of this event reached Alta California the following year. The colonial policies of the republic were to be quite different from those of the Spanish monarchy. Not only were Californians allowed to trade with foreigners, but foreigners could also now hold land in the province once they had been naturalized and converted to Catholicism. Under Spain, land grants to individuals were few in number, and title to these lands remained in the hands of the Crown. Under Mexican rule, however, governors were encouraged to make more grants for individual ranchos, and these grants were to be for outright ownership. Most importantly, the new Mexican Republic was determined to "secularize" the missions, to remove the natives and the mission property from the control of the Franciscan missionaries.

Secularization was set in motion by the Mexican Governor Echeandia in 1826 but was not carried out in earnest until 1834 when Governor José Figueroa issued an official proclamation ordering the secularization of the California missions. His proclamation turned the mission properties over to Mexican civil authorities, allowed for the disbursement of mission property, opened mission land for settlement by petitioners, and created a series of pueblos. Indian neophytes were freed from their role as personal servants to the padres; however, in reality, the effects of secularization throughout California were to deprive a large percentage of the remaining mission Indians of their property. This resulted in the creation of a relatively large population of landless Indian tenants, many of whom sought work in the newly created ranchos. The Indigenous population frequently scattered away

from the mission centers. Most of the former mission land was divided among loyal Mexican subjects, and the few Ohlone who chose to remain in their ancestral territory were sometimes obligated to become squatters. By the same token, there were some Indians, though few in number, who did successfully petition the Mexican government and receive land grants (Milliken et al. 2009:161-162). Most, however, were given jobs as manual laborers or domestic servants on Mexican cattle ranches.

The new ranchos that sprang up as a result of secularization created a wholly new culture in California, one that was centered on the raising and maintaining of vast herds of cattle. These ranchos were usually owned by individual families who supervised a veritable army of Indian laborers and *vaqueros*. The ranch owners owed their livelihood to the sale and trade of the products, primarily hide and tallow, derived from their cattle. A flourishing trade with foreign merchants, mostly Americans, kept the Mexican ranchos afloat; hides and tallow were traded to American merchants for everything from food staples and clothing to furniture and luxury goods.

AMERICAN PERIOD LAND DEVELOPMENT

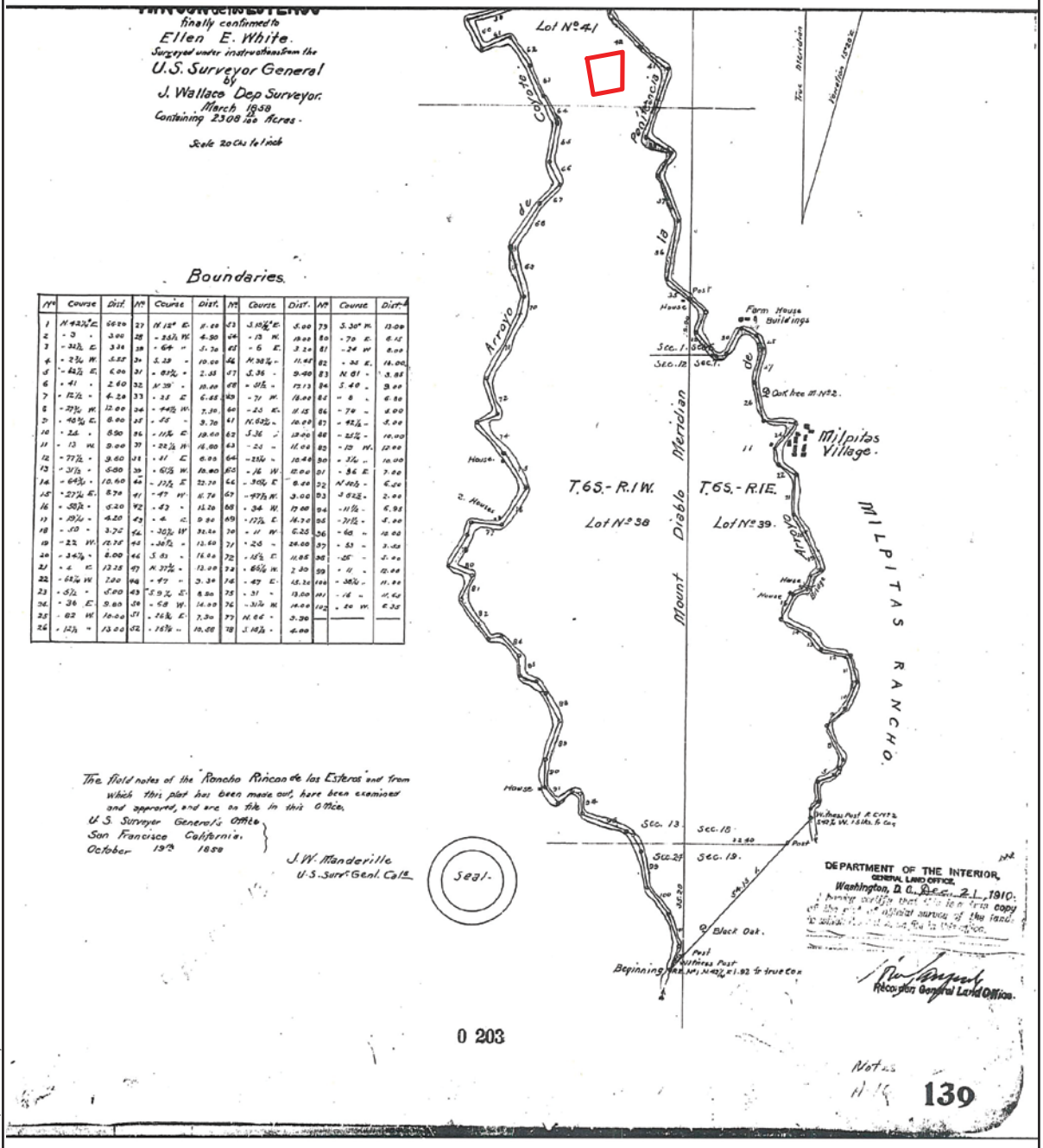
By the beginning of the Early American Period, Mexican landholders began to lose their holdings to American settlers. Land ownership was consolidated during this period. By 1871, it was estimated that three land-holding organizations controlled more than 800,000 acres of Santa Clara Valley. With this consolidation, land use patterns changed from open cattle ranging to more intensive controlled pasturing. Support facilities such as barns and feed sheds were increasingly built to support this new intensive land use. The extension of the Southern Pacific in the late 1860s was a catalyst for a local population boom, resulting in the founding of local communities including Morgan Hill, San Martin, and Gilroy. After a peak in development during the early 1900s the area remained relatively stagnant until the late-20th century when U.S. Highway 101 was opened. Access to transport dramatically increased the population and development of area cities. Population expansion and economic development shifted a focus in land development from agriculture to suburban residential use.

HISTORY OF THE PROJECT AREA

The Project Area was part of the *Rancho Rincon de los Esteros*, a 6,353-acre Mexican land grant given by Governor Juan Bautista Alvarado to Ignacio Alviso in 1838 (Hoffman 1862). According to an 1858 and an 1869 plat map, the Project Area is located in the northern portion of the Rancho in Lot 41 (Figures 3 and 4). An 1899 topographic map (Figure 5) shows the Project Area, although the Rancho is no longer indicated. The Pacific Railroad is located approximately 600–700 meters to the east of the Project Area. For most of the 19th and 20th century, the Rancho was used to support orchards and fruit farms in a similar manner as the rest of the Santa Clara Valley.

By 1961, this area of Milpitas had been developed considerably, including the construction of the Nimitz Freeway (Interstate 880) and the Milpitas Sewage Disposal, located approximately 250 meters to the west (Figure 6). A 1968 aerial photograph shows minimal development within the Project Area, although several dirt roads are visible cutting across it (Figure 7). A 1980 aerial photograph shows little development within the Project Area still; however, new construction is visible approximately 180 meters north of it (Figure 8). Although no buildings or obvious infrastructure are present in the aerial photograph, the landscape within the Project Area and

surrounding it appear to be altered, with areas appearing to be bulldozed or graded with several meandering dirt roads throughout (Figure 8).



LEGEND

Approximate Project Area Location

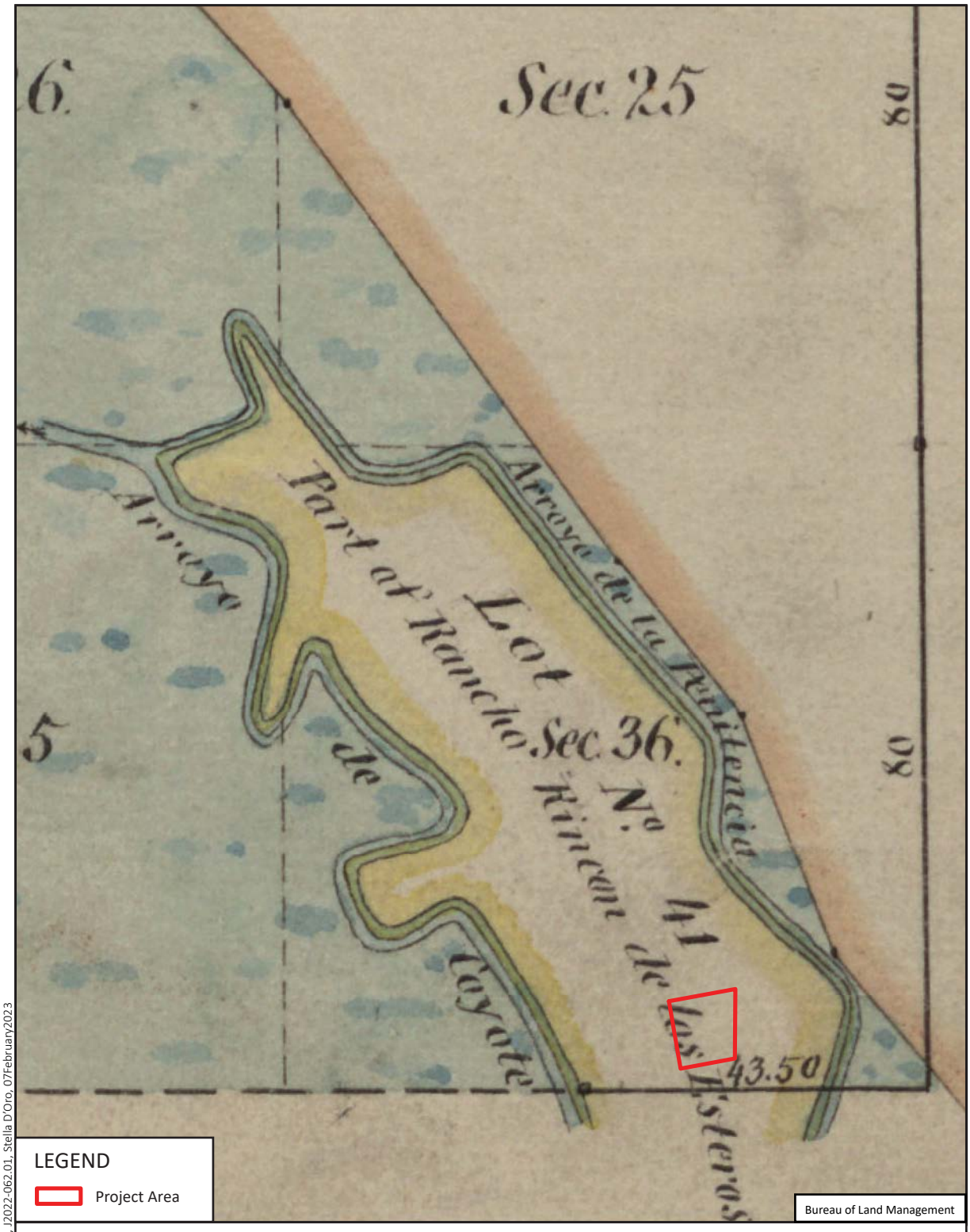
Northwest Information Center

Figure 3. Detail of an 1858 plat map with the Project Area.

No Scale Available

N

File name: Figure_3_1858.ai; J2022-062.01; Stella D'Oro, 07February2023



File name: Figure_4_1869.ai; J2022-062.01; Stella D'Oro, 07February2023

Figure 4. Detail of an 1869 GLO plat map with the Project Area.



Figure 5. Detail of an 1899 topographic map with the Project Area.

File name: Figure_5_1899.ai; J2022-062.01; Stella D'Oro, 07February2023

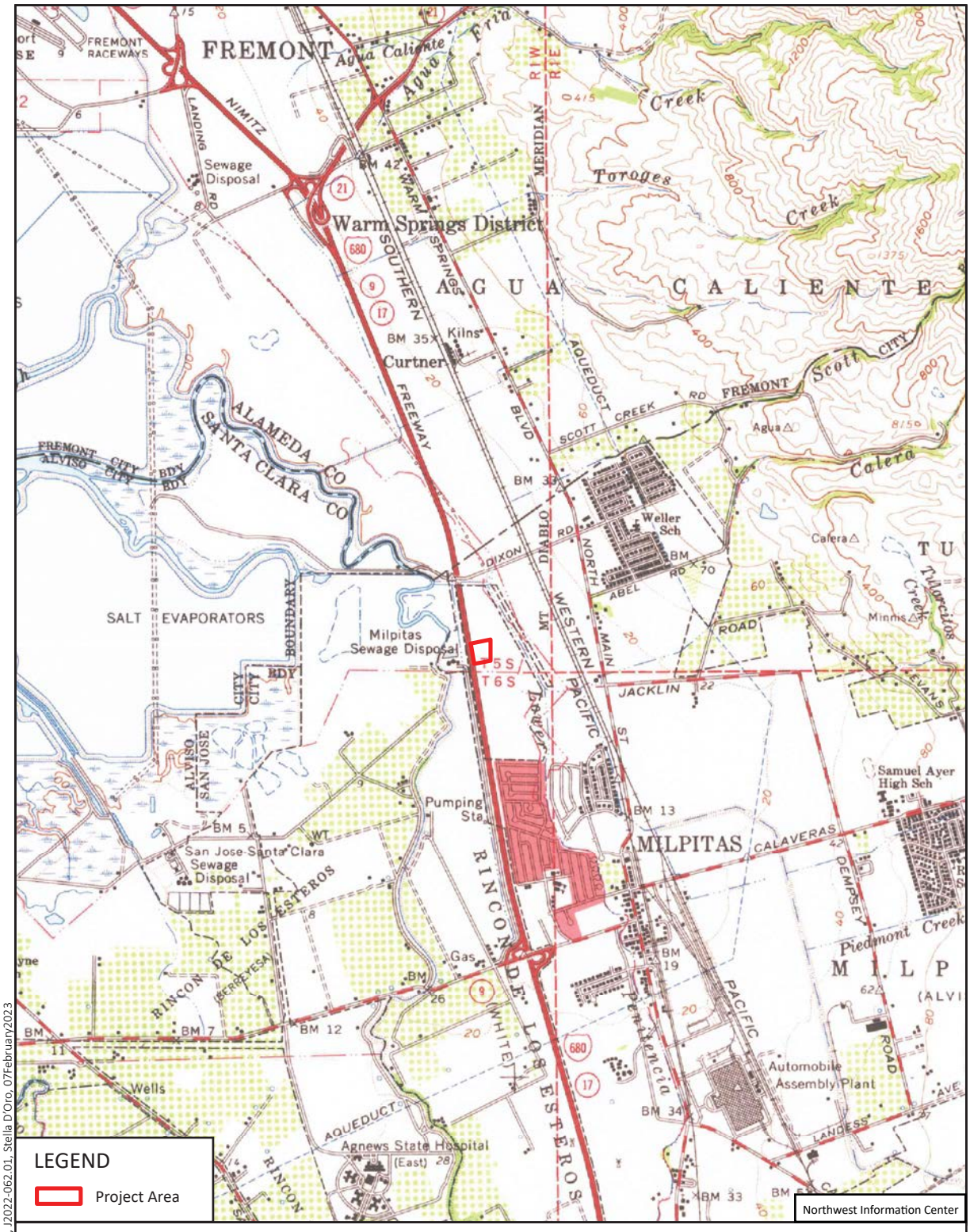


Figure 6. Detail of a 1961 topographic map with the Project Area.

File name: Figure_6_1961.ai; J2022-062.01; Stella D'Oro, 07February2023



File name: Figure_7_1968_Aerial.ai; J2022-062.01; Stella D'Oro; 07February2023

Figure 7. Detail of a 1968 aerial photograph with the Project Area.



File name: Figure_8_1980_Aerial.ai; J2022-062.01; Stella D'Oro; 07February2023

Figure 8. Detail of a 1980 aerial photograph with the Project Area.

Field Methods

6

On November 21, 2022, Albion Archaeologist Amanda Hill conducted an intensive surface survey of the Project Area (Figure 9: Photograph 1). This involved walking 5- to 15- meter-wide transects along the Project Area while closely inspecting the ground surface, so that the entire Project Area was intensely inspected.

Surface visibility in the Project Area was generally poor, as the Project Area was covered by existing roadway/roadside, commercial development, hardscaping, and landscaping (Figure 9: Photographs 2–6). The Project Area was mostly occupied by a large commercial building and was surrounded by hardscaping consisting of an asphalt parking lot and cement walkway as well as landscaping. In the few areas where soil was visible, no artifacts or features were identified.

HISTORIC ARCHAEOLOGICAL SENSITIVITY

Aerial photographs (1968, 1980) and topographic maps (1899, 1961) reveal that the Project Area remained relatively undeveloped until at least 1980. Although no buildings or obvious infrastructure are present in the 1980 aerial photograph, the landscape within the Project Area and surrounding it appear to have been altered, with areas possibly bulldozed or graded and several meandering dirt roads throughout (Figure 8). There are several structures that were built up by the 1960s and 1980s; however, these are located well outside of the Project Area (180 meters or more). As a result, the potential for encountering historic resources is low.

PRECOLONIAL ARCHAEOLOGICALLY SENSITIVE LANDFORMS

Using a model, the potential for buried archaeological sites can be conceptualized as a set of factors that either encouraged or discouraged human use or occupation of certain landforms (e.g., aspect, extent, setting, slope), combined with those that affected the subsequent preservation (i.e., erosion or burial) of those landforms (Meyer et al. 2010; Rosenthal and Meyer 2004). Using this model, landforms can be ranked as being more or less sensitive based on demonstrated relationships between environmental variables and known precolonial site locations.

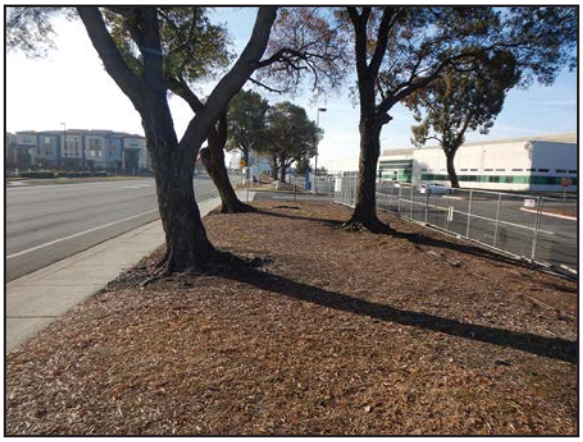
For example, the contact between depositional and non-depositional (e.g., eroded or older) landforms can also be a factor because these often mark environmental ecotones, or spatial transitions between different ecosystems, habitats, and/or plant and animal communities (Rosenthal and Meyer 2004; Meyer et. al 2010). In California, precolonial sites are commonly identified at or along ecotones, and are frequently located near the contact between younger and older geomorphic surfaces, such as fans or terraces that are higher than the floodplain (Rosenthal and Meyer 2004; Meyer et. al 2010). For this reason, areas in which both landforms occur in close proximity have a higher potential for containing buried archaeological resources than broad, level

depositional landforms that lack elevated surfaces. Additionally, a study of GIS data indicates that archaeological site densities are greatest at distances of 200 meters (~656 feet) or less from a known watercourse (Rosenthal and Meyer 2004; Meyer et. al 2010). Consequently, it is expected that previously unidentified buried sites will be located relatively close to present springs and water courses, as well as former ones.

In summary, using this model, the potential for buried archaeological deposits can be conceived as follows:

- Very Low — pre-latest Pleistocene deposits regardless of the combination of other factors,
- Low — Latest Pleistocene or Holocene deposits with slopes greater than 9 degrees located more than 200 meters (656 feet) from a water source and/or geomorphic contact,
- Moderate — Holocene deposits with slopes less than 9 degrees located less than 200 meters (656 feet) geomorphic contact, located more than 200 meters (656 feet) from a water source,
- High — Holocene deposits with slopes less than 9 degrees located less than 200 meters (656 feet) geomorphic contact, AND less than 200 meters (656 feet) from a water source,
- Very High — Holocene deposits with slopes less than 9 degrees located less than 200 meters (656 feet) from a geomorphic contact, water source, and confluence of two or more watercourses, AND/OR contains previously identified buried site.

The geology of the area is defined as Quaternary alluvium and marine deposits that date from the Pleistocene to Holocene epoch (United States Department of Agriculture 2023). The terrain is relatively flat with the Calera Creek located approximately 230 meters to the west of the Project Area and Coyote Creek located approximately 260 meters to the east. Based on this model, the sensitivity for the Project Area to contain buried archaeological sites is moderate.



Photograph 1. Northeast corner of Project Area, facing south.



Photograph 2. Northeast corner soil visibility.



Photograph 3. Southeast corner of Project Area, facing northwest.



Photograph 4. Landscaoed area at northeast building corner, facing west.



Photograph 5. Northwest corner of Project Area, facing south.



Photograph 6. Southeast end of parking lot, facing north.

Figure 9. Survey photographs.

File name: Figure_9_Photos.ai, J2022-062.01, Stella D'Oro, 07February2023

Summary and Conclusions

7

Albion's investigation included archival research, a background records search at the NWIC, Native American Outreach and AB 52 consultation, and a pedestrian survey of the Project Area. The investigation was designed to address treatment of cultural resources under current CEQA guidelines (Public Resources Code 21000 et seq.) and cultural resource requirements of the County of Santa Clara. Native American consultation and outreach is currently underway and will be updated to this draft report once completed. The results of this consultation may impact the current tentative recommendation listed below.

A search of records at the NWIC indicates three cultural resource studies have been conducted within the Project Area and an additional 15 cultural resource studies within a $^1/_4$-mile radius of it. No previously recorded cultural resources were identified within the Project Area nor within a $^1/_4$-mile radius of it. Surface visibility in the Project Area was generally poor, as the Project Area was covered by existing roadway/roadside, commercial development, hardscaping, and landscaping. In the few areas where soil was visible, no artifacts or features were identified. According to historical imagery, the Project Area appears to have remained undeveloped until at least 1980. Although no buildings or obvious infrastructure are present in the 1980 aerial photograph, the landscape within the Project Area and surrounding it appear to have been altered, with areas possibly bulldozed or graded and several meandering dirt roads throughout. However, as no buildings or other infrastructure are located in the Project Area, the potential for encountering historic resources is low.

For precolonial resources, it is Albion's judgement that the Project Area has moderate potential to contain buried archaeological deposits. The geology of the area is defined as Quaternary alluvium and marine deposits that date from the Pleistocene to Holocene epoch (United States Department of Agriculture 2023). The terrain is relatively flat with the Calera Creek located approximately 230m to the west of the Project Area and Coyote Creek located approximately 260 m to the east. Based on this moderate sensitivity and the poor visibility of the study area, Albion recommends that initial ground disturbance be spot-checked by a qualified archaeological monitor.

If previously unidentified cultural materials are unearthed during construction, it is CEQA policy that work be halted in that area until a qualified archaeologist can evaluate the nature and significance of the find. An additional archaeological study may be needed if Project limits are extended beyond the present study limits.

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Appendix A

Records Search Results

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM

ALAMEDA, COLUSA, CONTRA COSTA, DEL NORTE, HUMBOLDT, LAKE, MARIN, MENDOCINO, MONTEREY, NAPA, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, SONOMA, YOLO

Northwest Information Center
Sonoma State University
1400 Valley House Drive, Suite 210
Rohnert Park, California 94928-3609
Tel: 707.588.8455
nwic@sonoma.edu
https://nwic.sonoma.edu

11/14/2022 NWIC File No.: 22-0738

Stella D'Oro
Albion Environmental, Inc.
1414 Soquel Avenue, Suite 203
Santa Cruz, CA 95062

Re: 1355 California Circle

The Northwest Information Center received your record search request for the project area referenced above, located on the Milpitas USGS 7.5' quad(s). The following reflects the results of the records search for the project area and a ¼ mile radius:

Resources within project area:	None
Resources within ¼ mile radius:	None
Reports within project area:	S-008368; S-008977; S-025043
Reports within ¼ mile radius:	S-004772; S-006072; S-006410 S-006822; S-009133; S-010200; S-011971; S-018289; S-021390; S-023382; S-024981; S-025031; S-046399; S-046599; S-049327

Resource Database Printout (list):	☐ enclosed	☒ not requested	☐ nothing listed
Resource Database Printout (details):	☐ enclosed	☐ not requested	☒ nothing listed
Resource Digital Database Records:	☐ enclosed	☐ not requested	☒ nothing listed
Report Database Printout (list):	☐ enclosed	☒ not requested	☐ nothing listed
Report Database Printout (details):	☒ enclosed	☐ not requested	☐ nothing listed
Report Digital Database Records:	☒ enclosed	☐ not requested	☐ nothing listed
Resource Record Copies:	☐ enclosed	☐ not requested	☒ nothing listed
Report Copies:	☒ enclosed	☐ not requested	☐ nothing listed
OHP Built Environment Resources Directory:	☐ enclosed	☐ not requested	☒ nothing listed
Archaeological Determinations of Eligibility:	☐ enclosed	☐ not requested	☒ nothing listed
CA Inventory of Historic Resources (1976):	☐ enclosed	☐ not requested	☒ nothing listed
Caltrans Bridge Survey:	☐ enclosed	☒ not requested	☐ nothing listed
Ethnographic Information:	☐ enclosed	☒ not requested	☐ nothing listed
Historical Literature:	☐ enclosed	☐ not requested	☒ nothing listed
Historical Maps:	☒ enclosed	☐ not requested	☐ nothing listed
Local Inventories:	☐ enclosed	☒ not requested	☐ nothing listed

GLO and/or Rancho Plat Maps:	☒ enclosed ☐ not requested ☐ nothing listed
Shipwreck Inventory:	☐ enclosed ☒ not requested ☐ nothing listed
Soil Survey Maps:	☐ enclosed ☒ not requested ☐ nothing listed

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System (CHRIS).

Sincerely,

Justin Murazzo
Researcher

APPENDIX 3.6

Preliminary Geotechnical Investigation Report

CORNERSTONE EARTH GROUP

TYPE OF SERVICES	Preliminary Geotechnical Investigation
PROJECT NAME	California Circle Residential Development
LOCATION	1355 California Circle Milpitas, California
CLIENT	Pulte Group
PROJECT NUMBER	461-16-2
DATE	November 19, 2020



CORNERSTONE EARTH GROUP

Type of Services	**Preliminary Geotechnical Investigation**
Project Name	**California Circle Residential Development**
Location	**1355 California Circle** **Milpitas, California**
Client	**Pulte Group**
Client Address	**4511 Willow Road Suite 8** **Pleasanton CA 94588**
Project Number	**461-16-2**
Date	**November 19, 2020**

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CORNERSTONE EARTH GROUP

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APPENDIX D: RESULTS OF SOIL CORROSION EVALUATION

CORNERSTONE EARTH GROUP

Type of Services	**Preliminary Geotechnical Investigation**
Project Name	**California Circle Residential Development**
Location	**1355 California Circle** **Milpitas, California**

SECTION 1: INTRODUCTION

This preliminary geotechnical report was prepared for the sole use of Pulte Group for the parcel located at 1355 California Circle in Milpitas, California. The location of the site is shown on the Vicinity Map, Figure 1. The purpose of this study was to evaluate the existing subsurface conditions and develop an opinion regarding potential geotechnical concerns that could impact the proposed development. The preliminary geotechnical recommendations contained in this report are for your forward planning, cost estimating, and preliminary project design.

1.1 PROJECT DESCRIPTION

The approximately 6-acre project site is part of a larger business complex along California Circle in Milpitas, California. The project consists of constructing multi-unit townhome buildings. The townhomes will be three-story at-grade structures. We anticipate the townhomes will generally be of wood-frame construction with post-tensioned mat foundations. Appurtenant parking, utilities, landscaping and other improvements necessary for site development are also planned.

Structural loads are not currently known for the proposed structures; however, structural loads are expected to be typical of similar type structures.

1.2 SCOPE OF SERVICES

Our scope of services was presented in our proposal dated November 5, 2020 and consisted of field and laboratory programs to evaluate physical and engineering properties of the subsurface soils, preliminary engineering analysis to prepare recommendations for site work and grading, building foundations, flatwork, and pavements, and preparation of this preliminary report. Brief descriptions of our exploration and laboratory programs are presented below.

1.3 EXPLORATION PROGRAM

Field exploration consisted of five (5) Cone Penetration Tests (CPTs) advanced on November 12, 2020. The CPTs were advance to depths of about 45 feet below the existing surface grades.

As part of this investigation, we performed two (2) hand-auger borings drilled on November 12, 2020. The shallow borings were performed to evaluate the near surface materials. The borings were drilled to a depth of about 2½ to 5 feet below the existing surface grades using hand auger equipment. Bulk samples were collected at various depths of each boring.

All the CPTs were backfilled with cement grout in accordance with local requirements. The approximate locations of our explorations are shown on the Site Plan, Figure 2. Details regarding our field program are included in Appendix A.

1.4 PRIOR EXPLORATION

As part of our evaluation, we reviewed prior subsurface exploration performed by Cornerstone Earth Group as part of a previous Phase 2 site assessment. Eight (8) borings were performed on July 2, 2019, using direct-push sampling equipment. The prior borings were performed to depths of approximately 5 to 18 feet below current site grades. The approximate locations of these prior environmental borings are also shown on Figure 2; copies of prior boring logs (PEB-1 to PEB-8) are included in Appendix D.

1.5 LABORATORY TESTING PROGRAM

In addition to visual classification of samples, the laboratory program focused on obtaining data for foundation design and construction work. Testing included moisture content, a Plasticity Index, a washed sieve, and two soil corrosion tests. Details regarding our laboratory program are included in Appendix B.

1.6 CORROSION EVALUATION

Two samples from our hand auger borings from depths from 1½ to 4½ feet were tested for saturated resistivity, pH, and soluble sulfates and chlorides. JDH Corrosion Consultants prepared a brief corrosion evaluation based on the laboratory data, which is attached to this report in Appendix C. In general, the on-site soils can be characterized as corrosive to buried metal, and non-corrosive to buried concrete.

1.7 ENVIRONMENTAL SERVICES

Cornerstone Earth Group also provided environmental services for this project, including a Phase 1 site assessment; environmental findings and conclusions are provided under separate cover.

SECTION 2: REGIONAL SETTING

2.1 GEOLOGICAL SETTING

The site is located at the northern end of the Santa Clara Valley, which is a broad alluvial plane between the Santa Cruz Mountains to the southwest and west, and the Diablo Range to the northeast. The San Andreas Fault system, including the Monte Vista-Shannon Fault, exists within the Santa Cruz Mountains and the Hayward and Calaveras Fault systems exist within the Diablo Range. Alluvial soil thicknesses in the area of Milpitas range from about 100 to greater than 300 feet (Rogers & Williams, 1974).

2.2 REGIONAL SEISMICITY

The San Francisco Bay area region is one of the most seismically active areas in the Country. While seismologists cannot predict earthquake events, the U.S. Geological Survey's Working Group on California Earthquake Probabilities 2015 revises earlier estimates from their 2008 (2008, UCERF2) publication. Compared to the previous assessment issued in 2008, the estimated rate of earthquakes around magnitude 6.7 (the size of the destructive 1994 Northridge earthquake) has gone down by about 30 percent. The expected frequency of such events statewide has dropped from an average of one per 4.8 years to about one per 6.3 years. However, in the new study, the estimate for the likelihood that California will experience a magnitude 8 or larger earthquake in the next 30 years has increased from about 4.7 percent for UCERF2 to about 7.0 percent for UCERF3.

UCERF3 estimates that each region of California will experience a magnitude 6.7 or larger earthquake in the next 30 years. Additionally, there is a 63 percent chance of at least one magnitude 6.7 or greater earthquake occurring in the Bay Area region between 2007 and 2036.

The faults considered capable of generating significant earthquakes are generally associated with the well-defined areas of crustal movement, which trend northwesterly. The table below presents the State-considered active faults within 25 kilometers of the site.

Table 1: Approximate Fault Distances

Fault Name	Distance	
	(miles)	(kilometers)
Hayward Fault (southeast extension)	1.7	2.7
Hayward Fault	4.1	6.6
Calaveras Fault (north)	5.8	9.0
Calaveras Fault (south)	7.3	11.7
Monte Vista – Shannon Fault	12.8	20.6
San Andreas Fault	16.0	25.8

A regional fault map is presented as Figure 3, illustrating the relative distances of the site to significant fault zones.

SECTION 3: SITE CONDITIONS

3.1 SITE BACKGROUND

Based on our review of historic aerial photographs and topographic maps available through Environmental Data Resources (EDR), the general site vicinity appears to have historically been used as a mix of undeveloped land and agricultural properties. The Penitencia Creek channel appears to have been constructed in the late 1950s. Relatively low levees were constructed on either side of the creek channel for flood protection. Prior to construction of the channel, the site and vicinity appear to have been traversed by smaller meandering drainages or creeks. By 1959, the I-880 interstate was built west of the site. By the early 1960s, what appear to be mainly residential developments were built in the general vicinity to the south and east of the site. A golf course was constructed on the site and adjacent parcels during the 1970s that included various landscape mounds, berms and water-filled lagoons. The golf course was reportedly created by cutting and filling using on-site soils (Terratech, 1980).

After demolition of the golf course, California Circle was constructed during the early 1980s and building pads for the Dixon Landing Business Park were reportedly constructed between 1980 and 1986. The 1980 Terratech geotechnical report appears to have been used for the design of the geotechnical aspects of the business park.

By the early 1990s, residences were constructed on adjacent property on the east side of Penitencia Creek and several commercial buildings were constructed along California Circle. The current on-site building at 1355 California Circle appears to have been constructed by 1987. New residential development was completed along California Circle between 2015 and 2019.

3.2 SURFACE DESCRIPTION

The approximately 3-acre site is bounded by California Circle to the east, commercial development with parking to the north, a demolished commercial building lot to the south, and Interstate 880 to the west. The site is currently occupied by an office commercial building with a loading dock; material storage yard; an at-grade asphalt parking lot, and landscaping areas. The building/ building pad is raised compared to the parking lot. The parking lot is graded to drain toward storm water facilities.

Our hand auger borings were performed within landscape areas near the buildings. The thickness of the existing at-grade asphalt and concrete parking lots located at the site are unknown; however, based our experience it may vary between 3 to 4 inches. Based on visual observations, the existing pavements appear to be in fair to poor condition.

3.3 SUBSURFACE CONDITIONS

Boring HA-1 encountered undocumented fill materials to a depth of about 2½ feet below the existing surface grade, the maximum explored with hand auger equipment at this location. The fill material consisted of dry to moist sandy lean clay underlain by dry to moist clayey sand with gravel. Boring HA-2 encountered fill materials to a depth of about 5 feet below existing grades, the maximum depth explored at this location. This fill material consisted of dry to moist sandy lean clay, clayey sand with gravel, and clayey sand. Based on the results of our Phase I Environmental Site Assessment, a former 1,000-gallon underground storage tank was reportedly removed from the site in 1992. The conceptual location of the former tank is shown on the Site Plan, Figure 2. The lateral extent and depth of the former UST fill should be further evaluated during a design-level investigation. As discussed in Section 3.1, a former golf course lagoon was present in the northern section of the site that was filled in during construction of the current commercial building. The approximate lateral extent of the former lagoon is shown on Figure 2 based on aerial photo interpretation. The depth of the former lagoon fill should be further evaluated during a design-level investigation.

Below the existing fill materials, our CPTs encountered primarily medium stiff to very stiff clay and silty clay with some interbedded layers of sand to a depth of about 45 feet, the maximum depth explored. Thicker layers of medium dense sand, silty sand, and sandy silt were encountered below a depth of approximately 27 feet. One interbedded sand layer was encountered between approximately 17 to 19 feet depth in CPT-4. As these subsurface conditions below a depth of 5 feet (below the hand auger depth) were inferred by the CPTs, a design-level investigation including conventional borings would need to be performed to collect physical samples in order to further classify and evaluate the engineering properties of the subsurface soils.

3.3.1 Plasticity/Expansion Potential

We have performed one Plasticity Index (PI) test on a sample acquired during the field investigation. The test result was used to evaluate expansion potential of near-surface fill soils. The results of the surficial PI test resulted in a PI of 18, indicating moderate plasticity and expansion potential to wetting and drying cycles.

3.4 GROUND WATER

Based on review of historic depth to ground water maps (CGS 2001), historic high ground water is mapped to be approximately 5 feet or less below current site grades. The pore pressure dissipations tests performed in four of the five CPT locations indicated groundwater depths ranging from approximately 5 to 10 feet below current site grades. All measurements were taken at the time of exploration and may not represent the stabilized levels that can be higher than the initial levels encountered.

For our preliminary analysis, a design ground water depth of 5 feet was assumed. Fluctuations in ground water levels occur due to many factors including seasonal fluctuation, underground drainage patterns, regional fluctuations, and other factors.

SECTION 4: GEOLOGIC HAZARDS

4.1 FAULT RUPTURE

As discussed above, several significant faults are located within 25 kilometers of the site. The site is not located within a State-designated Alquist-Priolo Earthquake Fault Zone. As shown in Figure 3, no known surface expression of fault traces is thought to cross the site; therefore, fault rupture hazard is not a significant geologic hazard at the site.

4.2 ESTIMATED GROUND SHAKING

Moderate to severe (design-level) earthquakes can cause strong ground shaking, which is the case for most sites within the Bay Area. A site modified peak ground acceleration (PGA_M) was determined in accordance with Section 21.5 of ASCE 7-16. Therefore, we recommend a site-specific MCE_G peak ground acceleration, PGA_M, of 0.966g for this project.

4.3 LIQUEFACTION POTENTIAL

The site is located within a State-designated Liquefaction Hazard Zone (CGS, Milpitas 7.5 Quadrangle, 2004). Our field program addressed this issue by evaluating the CPT data.

4.3.1 Background

During strong seismic shaking, cyclically induced stresses can cause increased pore pressures within the soil matrix that can result in liquefaction triggering, soil softening due to shear stress loss, potentially significant ground deformation due to settlement within sandy liquefiable layers as pore pressures dissipate, and/or flow failures in sloping ground or where open faces are present (lateral spreading) (NCEER 1998). Limited field and laboratory data is available regarding ground deformation due to settlement; however, in clean sand layers settlement on the order of 2 to 3 percent of the liquefied layer thickness can occur. Soils most susceptible to liquefaction are loose, non-cohesive soils that are saturated and are bedded with poor drainage, such as sand and silt layers bedded with a cohesive cap.

4.3.2 Analysis

As discussed in the “Subsurface” section above, several sand layers were encountered below the design ground water depth of 5 feet. Following the procedures in the 2008 monograph, *Soil Liquefaction During Earthquakes* (Idriss and Boulanger, 2008) and in accordance with CDMG Special Publication 117A guidelines (CDMG, 2008) for quantitative analysis, these layers were analyzed for liquefaction triggering and potential post-liquefaction settlement. These methods compare the ratio of the estimated cyclic shaking (Cyclic Stress Ratio - CSR) to the soil’s estimated resistance to cyclic shaking (Cyclic Resistance Ratio - CRR), providing a factor of safety against liquefaction triggering. Factors of safety less than or equal to 1.3 are considered to be potentially liquefiable and capable of post-liquefaction re-consolidation.

The CSR for each layer quantifies the stresses anticipated to be generated due to a design-level seismic event, is based on the peak horizontal acceleration generated at the ground surface discussed in the "Estimated Ground Shaking" section above, and is corrected for overburden and stress reduction factors as discussed in the procedure developed by Seed and Idriss (1971) and updated in the 2008 Idriss and Boulanger monograph.

The soil's CRR is estimated from the in-situ measurements from CPTs and laboratory testing on samples retrieved from our borings. SPT "N" values obtained from hollow-stem auger borings were not used in our analyses, as the "N" values obtained are unreliable in sands below ground water. The tip pressures are corrected for effective overburden stresses, taking into consideration both the ground water level at the time of exploration and the design ground water level, and stress reduction versus depth factors. The CPT method utilizes the soil behavior type index (I_C) to estimate the plasticity of the layers.

The results of our CPT analyses (CPT-1 and CPT-5) are presented on Figures 4A and 4E of this report.

4.3.3 Summary

Our analyses indicate that several thin soil layers could potentially experience liquefaction triggering that could result in soil softening and post-liquefaction total settlement on the order of ¾ inch to 2 inches based on the Ishihara and Yoshimine (1990) method. As discussed in SP 117A, differential movement for level ground sites over deep soil sites will be up to about two-thirds of the total settlement between independent foundation elements. In our opinion, differential settlements are anticipated to be up to 1 inch across a typical residential foundation.

4.4 LATERAL SPREADING

Lateral spreading is horizontal/lateral ground movement of relatively flat-lying soil deposits towards a free face such as an excavation, channel, or open body of water. Typically, lateral spreading is associated with liquefaction of one or more subsurface layers near the bottom of the exposed slope. As failure tends to propagate as block failures, it is difficult to analyze and estimate where the first tension crack will form.

Penetencia Creek runs approximately 1,100 feet east and Coyote Creek is located about 800 to 1,000 feet west of the site. The channel bottoms are estimated to be approximately 8 to 10 feet deep. As part of our liquefaction analyses, we calculated the Lateral Displacement Index (LDI) for potentially liquefiable layers based on methods presented in the 2008 monograph, *Soil Liquefaction During Earthquakes* (Idriss and Boulanger, 2008). LDI is a summation of the maximum shear strains versus depth, which is a measurement of the potential maximum displacement at that exploration location. Summations of the LDI values to a depth equal to twice the open face height were included. Estimated displacements in the vicinity of CPT-1 through CPT-5 based on the LDI calculations are considered negligible to less than 1 inch.

We also reviewed the historical ground failure map presented in the Seismic Hazard Zone Report for the vicinity (CGS, 2004), which indicated only one occurrence of lateral spread

approximately 1.6 miles southwest of the site along Coyote Creek. In our opinion, the potential for lateral spreading to impact the project is relatively low..

4.5 SEISMIC SETTLEMENT/UNSATURATED SAND SHAKING

Loose unsaturated sandy soils can settle during strong seismic shaking. As the soils encountered above the design groundwater level of 5 feet were predominantly cohesive soils and medium dense to dense sands, in our opinion, the potential for significant differential seismic settlement affecting the proposed improvements is low. Localized fills consisting of imported sands will need to be re-compacted during future site grading.

4.6 TSUNAMI/SEICHE

The terms tsunami or seiche are described as ocean waves or similar waves usually created by undersea fault movement or by a coastal or submerged landslide. Tsunamis may be generated at great distance from shore (far field events) or nearby (near field events). Waves are formed, as the displaced water moves to regain equilibrium, and radiates across the open water, similar to ripples from a rock being thrown into a pond. When the waveform reaches the coastline, it quickly raises the water level, with water velocities as high as 15 to 20 knots. The water mass, as well as vessels, vehicles, or other objects in its path create tremendous forces as they impact coastal structures.

Tsunamis have affected the coastline along the Pacific Northwest during historic times. The Fort Point tide gauge in San Francisco recorded approximately 21 tsunamis between 1854 and 1964. The 1964 Alaska earthquake generated a recorded wave height of 7.4 feet and drowned eleven people in Crescent City, California. For the case of a far-field event, the Bay area would have hours of warning; for a near field event, there may be only a few minutes of warning, if any. A tsunami or seiche originating in the Pacific Ocean would lose much of its energy passing through San Francisco Bay. Based on the study of tsunami inundation potential for the San Francisco Bay Area (Ritter and Dupre, 1972), areas most likely to be inundated are marshlands, tidal flats, and former bay margin lands that are now artificially filled, but are still at or below sea level, and are generally within 1½ miles of the shoreline. The site is approximately 2¼ miles inland east of the San Francisco Bay shoreline, and approximately 12 feet above mean sea level. Therefore, the potential for inundation due to tsunami or seiche is considered low.

4.7 FLOODING

Based on our internet search of the Federal Emergency Management Agency (FEMA) flood map public database, the site is located within Zone AH defined as an area with flood depths of 1 to 3 feet (usually areas of ponding) with a base flood elevation of 15 feet. We recommend the project civil engineer be retained to confirm this information and verify the base flood elevation, if appropriate.

SECTION 5: CONCLUSIONS

5.1 SUMMARY

From a geotechnical viewpoint, the project is feasible provided the concerns listed below are addressed in the project planning and design. The preliminary recommendations that follow are intended for conceptual planning and preliminary design. A design-level geotechnical investigation should be performed once site development plans are prepared indicating where proposed structures are planned. The design-level investigation findings will be used to confirm the preliminary recommendations and develop detailed recommendations for design and construction. Descriptions of each geotechnical concern with brief outlines of our preliminary recommendations follow the listed concerns.

- Potential for liquefaction-induced settlements
- Presence of undocumented fills
- Shallow groundwater
- Presence of moderately expansive soils
- Soil corrosion potential

5.1.1 Potential for Liquefaction-Induced Settlements

As discussed, our liquefaction analysis indicates that there is a potential for liquefaction of localized sand layers during a significant seismic event. Our preliminary analysis indicates that liquefaction-induced settlement on the order of ½ inch to 2 inches could occur following strong ground shaking in the region, resulting in differential settlement of up to 1 inch across a typical residential foundation. Foundations will need to be sufficiently rigid and designed to tolerate the anticipated total and differential settlements across the site. Preliminary foundation recommendations are presented in the “Foundations” section.

5.1.2 Undocumented Fill

As discussed in Section 3, undocumented fill blankets the site. The thickness of the fill is anticipated to range from approximately 2 to 5 feet thick; however, deeper fill is possible beneath the existing building. The former lagoon that was located at the northern portion of the site might also contain deeper undocumented fill. A former 1,000-gallon underground storage tank was reportedly removed from the site in 1991. The approximate location of the former tank and lagoon area is shown on the Site Plan, Figure 2. The lateral extent and depth of the former UST fill and lagoon fill should be further evaluated during a design-level investigation.

The fill may be highly variable following site demolition and may not uniformly support the proposed residential structures and adjacent improvements. Therefore, we recommend that all undocumented fill material present beneath proposed building areas be over-excavated and re-compacted prior to foundation construction. The design-level investigation should review the presence and thickness of fill materials within the proposed development area.

5.1.3 Shallow Groundwater

Groundwater was encountered at depths of approximately 5 and 10 feet below the existing site surface as measured in pore pressure dissipations tests. Our experience with similar sites in the vicinity indicates that shallow ground water will significantly impact grading and underground construction. These impacts typically consist of potentially wet and unstable pavement subgrade, difficulty achieving compaction, and difficult underground utility installation. Dewatering and shoring of utility trenches will likely be required for excavations extending below the ground water level.

5.1.4 Moderately Expansive Soils

Moderately expansive surficial soils were encountered in the undocumented fill and are expected to generally blanket the site. Expansive soils can undergo significant volume change with changes in moisture content. They shrink and harden when dried and expand and soften when wetted. To reduce the potential for damage to the planned structures, concrete slabs-on-grade or walkways should have sufficient reinforcement and be supported on a layer of non-expansive fill; footings should extend below the zone of seasonal moisture fluctuation.

5.1.5 Preliminary Soil Corrosion Potential

A preliminary soil corrosion screening was performed by JDH Corrosion Consultants based on the results of analytical tests on samples of the near-surface soil. In general, the JDH report concludes that the corrosion potential for buried concrete does not warrant the use of sulfate resistant concrete. However, the corrosion potential for buried metallic structures, such as metal pipes, is considered corrosive. JDH recommends that special requirements for corrosion control be made to protect metal pipes. A more detailed discussion of the site corrosion evaluation is presented in Appendix C.

5.2 DESIGN-LEVEL GEOTECHNICAL INVESTIGATION

The preliminary recommendations contained in this report were based on limited site development information and limited exploration. As site conditions may vary significantly between the CPTs performed during this and prior investigations, as well as the borings drilled on the nearby sites, we also recommend that we be retained to 1) perform a design-level geotechnical investigation, once detailed site development plans are available; 2) to review the geotechnical aspects of the project structural, civil, and landscape plans and specifications, allowing sufficient time to provide the design team with any comments prior to issuing the plans for construction; and 3) be present to provide geotechnical observation and testing during earthwork and foundation construction.

SECTION 6: EARTHWORK

6.1 ANTICIPATED EARTHWORK MEASURES

On a preliminary basis, we recommend that existing foundations, slabs, and/or abandoned underground utilities be removed entirely and the resulting excavations backfilled with engineered fill. Additionally, native soils that are disturbed during demolition of the existing improvements should also be removed and replaced as engineered fill. Any existing undocumented fill encountered during grading should be over-excavated down to native soils within the proposed building footprints and 3 feet laterally beyond. On a preliminary basis and for conceptual planning and cost estimating, undocumented fill over-excavation on the order of 4 feet deep beneath the existing surface grades should be considered. For the former UST location and golf course lagoon, the depth of undocumented fill could be roughly 6 to 10 feet deep; the lateral extent of the deeper fills will need to be further evaluated during future studies.

Based on our preliminary investigation, on-site soils below the stripped layer appear to be suitable for use as general fill and should be placed in lifts and compacted in accordance with the “Compaction” notes below. Imported fill material for use as general fill should have a Plasticity Index of 15 or less and have at least 10 percent silt or clay fines to prevent sloughing or caving during construction. Existing asphalt and concrete materials can likely be pulverized and re-used as granular base material at the site; however, asphalt grindings should not be re-used beneath residential lots. All fill as well as scarified surface soils in areas to receive fill or slabs-on-grade, and subgrade, and trench backfill, should be compacted to at least 90 percent relative compaction as determined by ASTM Test Designation D-1557, latest edition; and be at least 2 percent above optimum moisture. Aggregate materials should be compacted to at least 95 percent in pavement areas, and 90 percent in flatwork areas.

Due to the high fines content of the clayey native and fill soils, on-site soils to be re-used as fill can become unstable due to high moisture content, whether from high in-situ moisture contents or from winter rains. As the moisture content increases over the laboratory optimum, it becomes more likely the materials will be subject to softening and yielding (pumping) from construction loading or become unworkable during placement and compaction.

6.2 SURFACE DRAINAGE

Surface water runoff should not be allowed to pond adjacent to building foundations, slabs-on-grade, or pavements. Hardscape surfaces should slope at least 2 percent towards suitable discharge facilities; landscape areas should slope at least 2 to 3 percent away from buildings. Due to the high expansion potential of the near-surface soils, retention, detention, or infiltration facilities should be spaced at least 10 feet from buildings, and preferably at least 5 feet from slabs-on-grade or pavements. With the exception of thin, localized layers of sandy fill soils blanketing portions of the site, the near-surface soils are clayey and likely categorized as Hydrologic Soil Group D. These soils are expected to have infiltration rates of 0.1 inches per hour or less. In our opinion, these clayey soils will significantly limit stormwater infiltration.

SECTION 7: FOUNDATIONS

7.1 SUMMARY OF RECOMMENDATIONS

On a preliminary basis, the proposed residential structures may be supported on a shallow foundation, such as a post-tensioned mat foundation, designed to tolerate differential movement associated with potential seismic differential settlement.

7.2 SEISMIC DESIGN CRITERIA

We understand that the project structural design will be based on the 2019 California Building Code (CBC), which provides criteria for the seismic design of buildings in Chapter 16. The "Seismic Coefficients" used to design buildings are established based on a series of tables and figures addressing different site factors, including the soil profile in the upper 100 feet below grade and mapped spectral acceleration parameters based on distance to the controlling seismic source/fault system. Based on our explorations and review of local geology, the site is underlain by deep alluvial soils with typical SPT "N" values between 15 and 50 blows per foot. Therefore, we have classified the site as Soil Classification D. The mapped spectral acceleration parameters S_S and S_1 were calculated using the web-based program *ATC Hazards by Locations,* located at http://hazards.atcouncil.org, based on the site coordinates presented below and the site classification. **The values below may be used for design if the Structural Engineer will be taking Exception 2 per Section 11.4.8 of ASCE 7-16**. If the structural will not be taking this exception and a ground motion hazard analysis is desired or required to be performed per Chapter 20 and 21 of ASCE 7-16, we should be contacted to perform this additional analysis. The table below lists the various factors used to determine the seismic coefficients and other parameters.

Table 2: CBC Site Categorization and Site Coefficients

Classification/Coefficient	Design Value
Site Class	D
Site Latitude	37.448448°
Site Longitude	-122.920199°
0.2-second Period Mapped Spectral Acceleration, S_S	2.088g
1-second Period Mapped Spectral Acceleration, S_1	0.804g
Short-Period Site Coefficient – Fa	1.0
Long-Period Site Coefficient – Fv	Null*
0.2-second Period, Maximum Considered Earthquake Spectral Response Acceleration Adjusted for Site Effects - S_{MS}	2.088g
1-second Period, Maximum Considered Earthquake Spectral Response Acceleration Adjusted for Site Effects – S_{M1}	Null*
0.2-second Period, Design Earthquake Spectral Response Acceleration – S_{DS}	1.392g
1-second Period, Design Earthquake Spectral Response Acceleration – S_{D1}	Null*

Site Modified Peak Ground Acceleration – PGA_M	0.966g

*Values may be used for design only if the SE taking Exception 2 per Section 11.4.8 of ASCE 7-16.

7.3 SHALLOW FOUNDATIONS

7.3.1 Post-Tensioned Mat Foundations

The planned at-grade residential structures may be supported on post-tensioned (PT) concrete mat foundations designed in accordance with the procedures developed by the Post-Tensioning Institute (latest edition) and the 2019 California Building Code.

To reduce potential differential movement, on a preliminary basis, mats should be designed for a maximum average bearing pressure of pressure of 750 psf for dead plus live loads; at column or wall loading, the maximum localized allowable bearing pressure should be limited to about 3,000 psf. When evaluating wind and seismic conditions, allowable bearing pressure may be increased by one-third. Additional reinforcing steel may be required to help span irregularities and differential settlement.

On a preliminary basis, we estimate that differential static settlements will be on the order of ½ inch across a typical mat foundation; seismic differential settlement is estimated to be on the order of 1 inch. Foundations should be rigid enough to support the combined differential total and seismic settlements. Final settlement and foundation deflection criteria should be determined during the design-level geotechnical investigation.

SECTION 8: CONCRETE SLABS AND PEDESTRIAN PAVEMENTS

8.1 EXTERIOR FLATWORK

Exterior concrete flatwork subject to pedestrian and/or occasional light pick up loading should be at least 4 inches thick and supported on at least 6 inches of non-expansive fill or granular base material overlying prepared subgrade. The actual non-expansive fill thickness will depend on the expansion potential of imported fill materials and should be confirmed during the design-level investigation.

SECTION 9: VEHICULAR PAVEMENTS

9.1 ASPHALT CONCRETE

The following asphalt concrete pavement recommendations tabulated below are based on the Procedure 608 of the Caltrans Highway Design Manual, estimated traffic indices for various pavement-loading conditions, and on a design R-value of 5. The design R-value was chosen based on engineering judgment considering the native clay soils and variable surface conditions.

Table 3: Asphalt Concrete Pavement Recommendations, Design R-value = 5

Design Traffic Index (TI)	Asphalt Concrete (inches)	Class 2 Aggregate Base (inches)	Total Pavement Section Thickness (inches)
4.0	2.5	8.0	10.5
4.5	2.5	10.0	12.5
5.0	3.0	10.0	13.0
5.5	3.0	12.0	14.0
6.0	3.5	13.0	16.5
6.5	4.0	14.0	18.0
7.0	4.0	16.0	20.0

Note: Caltrans Class 2 aggregate base; minimum R-value of 78
Preliminary subgrade R-value assumed to be 5

SECTION 10: LIMITATIONS

This report, an instrument of professional service, has been prepared for the sole use of Pulte Group specifically to support the design of the project to be located at 1355 California Circle in Milpitas, California. The opinions, conclusions, and recommendations presented in this report have been formulated in accordance with accepted geotechnical engineering practices that exist in Northern California at the time this report was prepared. No warranty, expressed or implied, is made or should be inferred.

Recommendations in this report are based upon the soil and ground water conditions encountered during our subsurface exploration. If variations or unsuitable conditions are encountered during construction, Cornerstone must be contacted to provide supplemental recommendations, as needed.

Pulte Group may have provided Cornerstone with plans, reports and other documents prepared by others. Pulte Group understands that Cornerstone reviewed and relied on the information presented in these documents and cannot be responsible for their accuracy.

Cornerstone prepared this report with the understanding that it is the responsibility of the owner or his representatives to see that the recommendations contained in this report are presented to other members of the design team and incorporated into the project plans and specifications, and that appropriate actions are taken to implement the geotechnical recommendations during construction.

Preliminary conclusions and recommendations presented in this report are valid as of the present time for the development as currently planned. Changes in the condition of the property or adjacent properties may occur with the passage of time, whether by natural processes or the acts of other persons. In addition, changes in applicable or appropriate standards may occur

through legislation or the broadening of knowledge. Therefore, the conclusions and recommendations presented in this report may be invalidated, wholly or in part, by changes beyond Cornerstone's control. This report should be reviewed by Cornerstone after a period of three (3) years has elapsed from the date of this report. In addition, if the current project design is changed, then Cornerstone must review the proposed changes and provide supplemental recommendations, as needed.

An electronic transmission of this report may also have been issued. While Cornerstone has taken precautions to produce a complete and secure electronic transmission, please check the electronic transmission against the hard copy version for conformity.

Recommendations provided in this report are based on the assumption that Cornerstone will be retained to provide observation and testing services during construction to confirm that conditions are similar to that assumed for design, and to form an opinion as to whether the work has been performed in accordance with the project plans and specifications. If we are not retained for these services, Cornerstone cannot assume any responsibility for any potential claims that may arise during or after construction as a result of misuse or misinterpretation of Cornerstone's report by others. Furthermore, Cornerstone will cease to be the Geotechnical-Engineer-of-Record if we are not retained for these services.

SECTION 11: REFERENCES

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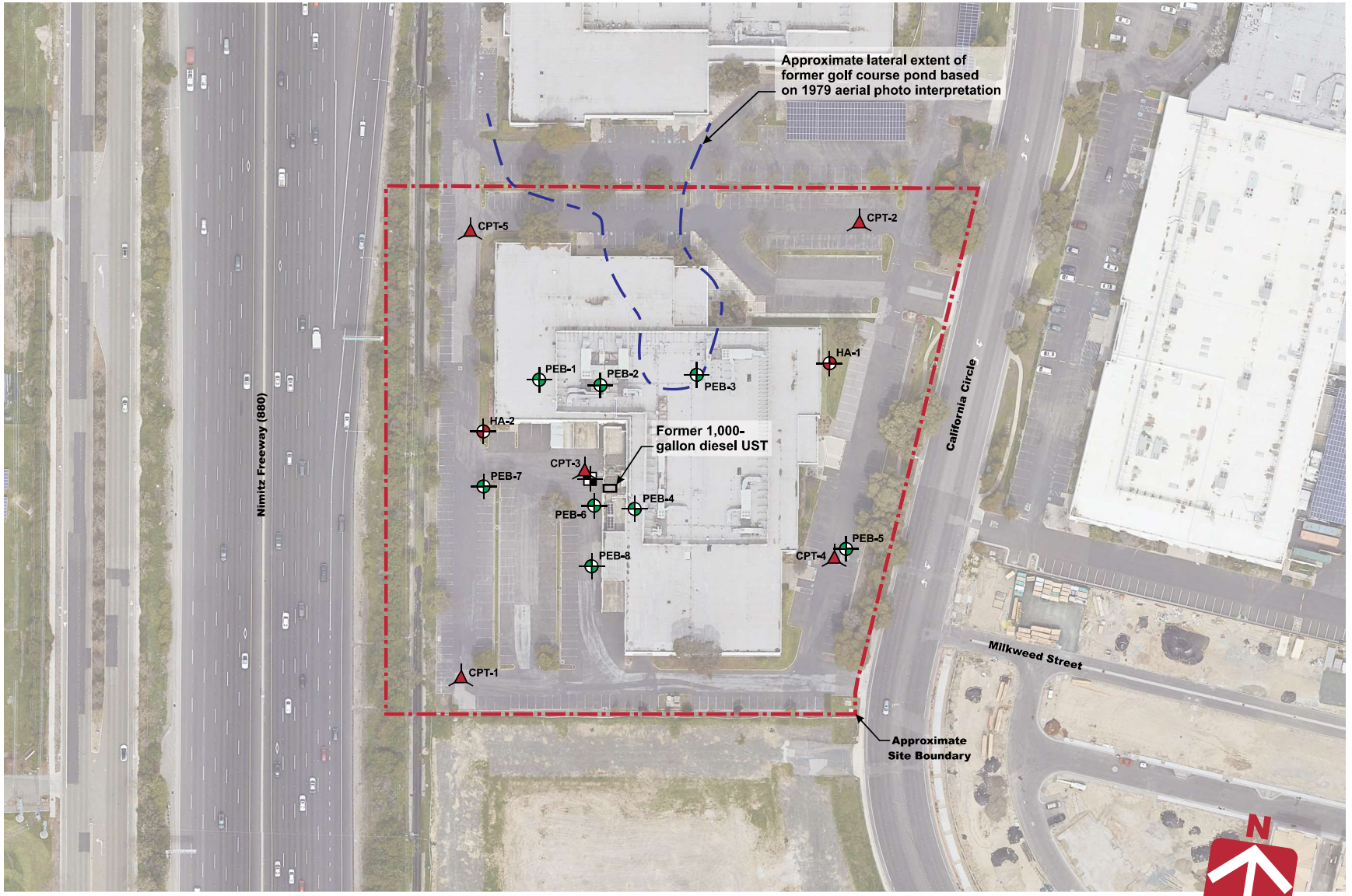


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Vicinity Map

1355 California Circle
Milpitas, CA

Project Number	461-16-2
Figure Number	Figure 1
Date	November 2020
Drawn By	RRN



Project Number 461-16-2

Figure Number Figure 2

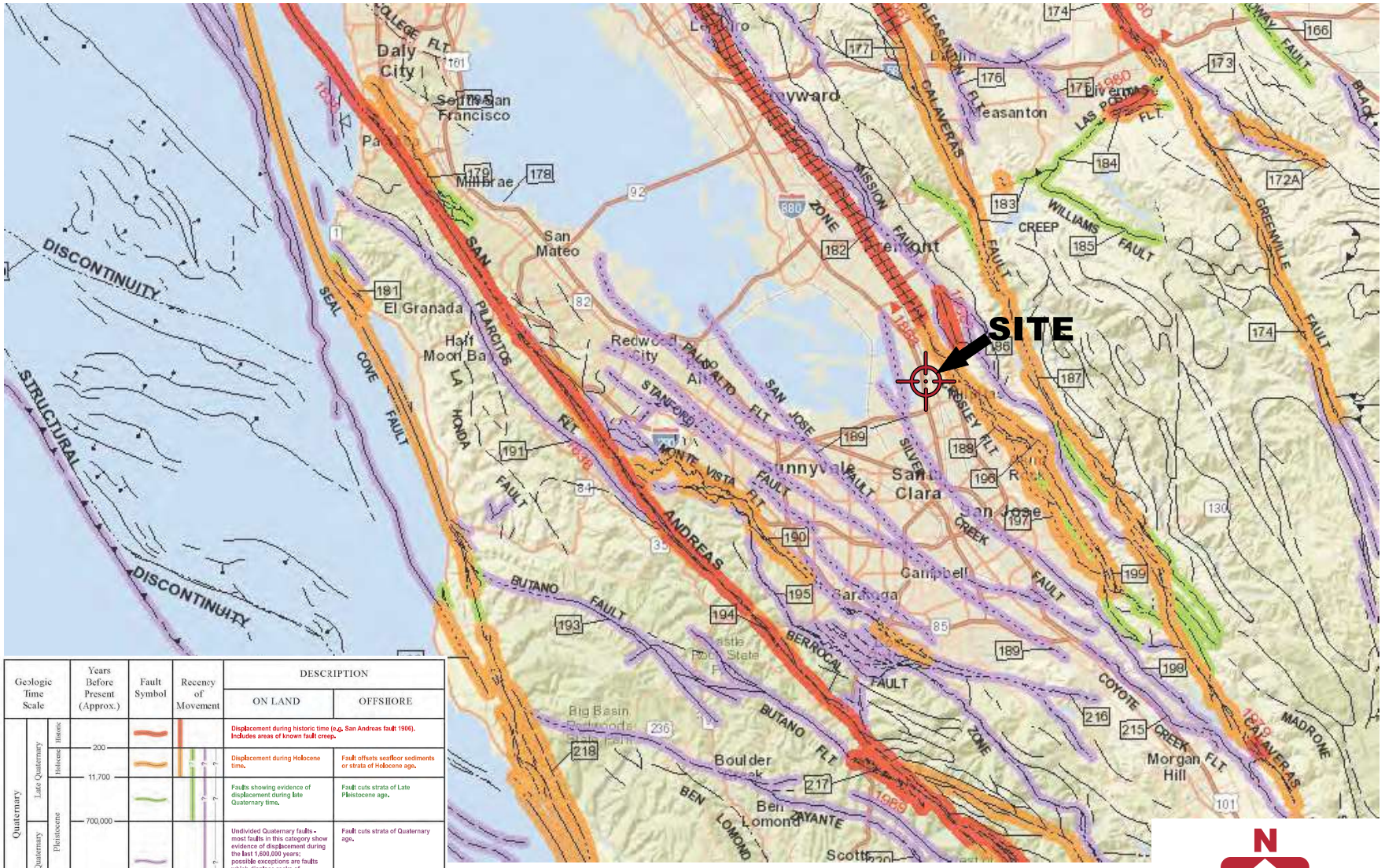
Date November 2020

Drawn By RRN

Site Plan

1355 California Circle
Milpitas, CA

CORNERSTONE EARTH GROUP



Geologic Time Scale			Years Before Present (Approx.)	Fault Symbol	Recency of Movement	DESCRIPTION	
						ON LAND	OFFSHORE
Quaternary	Late Quaternary	Historic	200			Displacement during historic time (e.g., San Andreas fault 1906). Includes areas of known fault creep.	
		Holocene	11,700			Displacement during Holocene time.	Fault offsets seafloor sediments or strata of Holocene age.
	Early Quaternary	Pleistocene	700,000			Faults showing evidence of displacement during late Quaternary time.	Fault cuts strata of Late Pleistocene age.
			1,600,000			Undivided Quaternary faults - most faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age.	Fault cuts strata of Quaternary age.
Pre-Quaternary			4.5 billion (Age of Earth)			Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive.	Fault cuts strata of Pliocene or older age.

Base by California Geological Survey - 2010 Fault Activity Map of California (Jennings and Bryant, 2010)

Project Number: 461-16-2

Figure Number: Figure 3

Drawn By: RRN

Date: November 2020

Regional Fault Map

1355 California Circle
Milpitas, CA

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FIGURE 4A

CPT NO. 1

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PROJECT/CPT DATA

Project Title	1355 California Circle
Project No.	461-16-2
Project Manager	JRD

SEISMIC PARAMETERS

Controlling Fault	Hayward	
Earthquake Magnitude (Mw)	7.1	
PGA (Amax)	0.966	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	7.5
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	121
Ave. Unit Weight Below GW (pcf)	121

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM	5	FEET
	0.01	(Inches)
LIQUEFACTION SETTLEMENT FROM	50	FEET
	0.76	(Inches)
TOTAL SEISMIC SETTLEMENT	**0.8**	**INCHES**

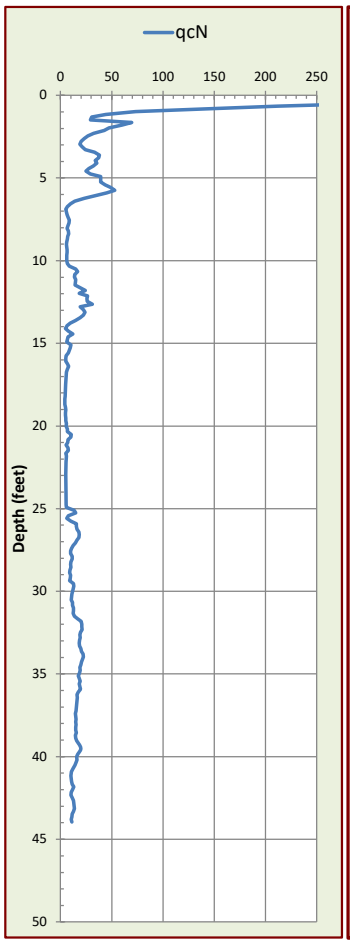
POTENTIAL LATERAL DISPLACEMENT

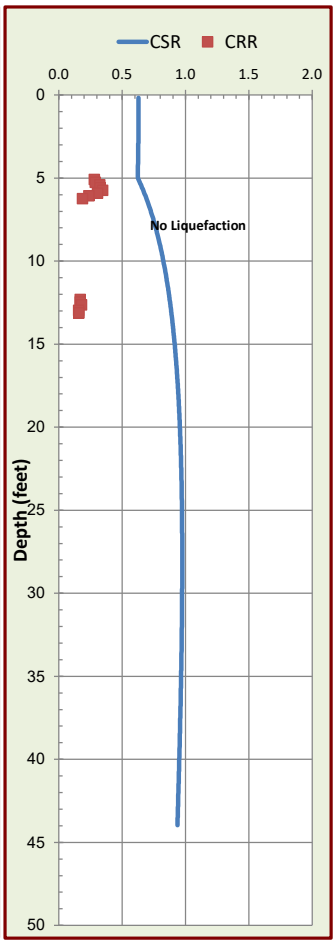
LDI[2]	0.55	L/H	120.0
LDI[1] Corrected for Distance	0.07	(4 < L/H < 40)	

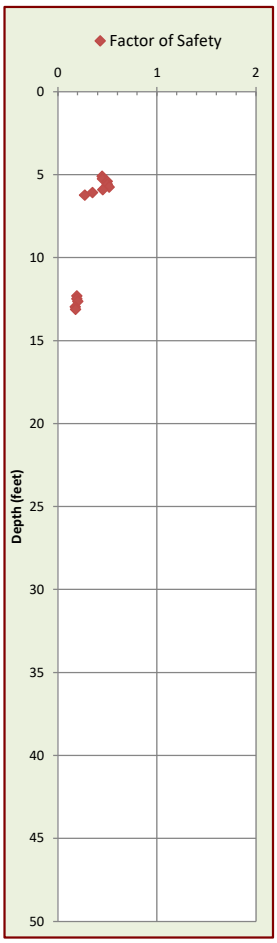
EXPECTED RANGE OF DISPLACEMENT

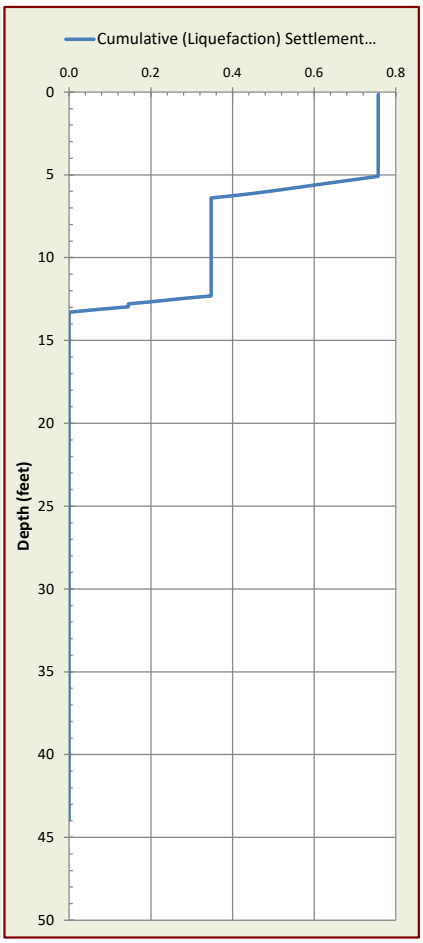
0.0 to 0.1 feet

[1]Not Valid for L/H Values < 4 and > 40.
[2]LDI Values Only Summed to 2H Below Grade.









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FIGURE 4B

CPT NO. 2

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PROJECT/CPT DATA

Project Title	1355 California Circle
Project No.	461-16-2
Project Manager	JRD

SEISMIC PARAMETERS

Controlling Fault	Hayward	
Earthquake Magnitude (Mw)	7.1	
PGA (Amax)	0.966	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	7.8
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	121
Ave. Unit Weight Below GW (pcf)	121

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM	5	FEET
	0.02	(Inches)
LIQUEFACTION SETTLEMENT FROM	50	FEET
	2.27	(Inches)
TOTAL SEISMIC SETTLEMENT	**2.3**	**INCHES**

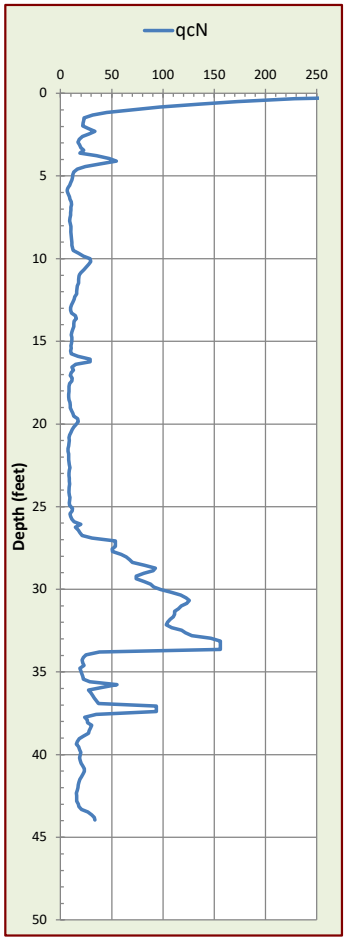
POTENTIAL LATERAL DISPLACEMENT

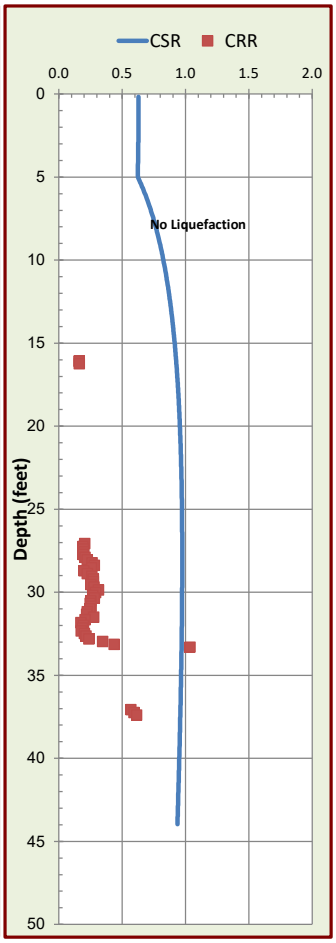
LDI[2]	0.12	L/H	100.0
LDI[1] Corrected for Distance	0.02	(4 < L/H < 40)	

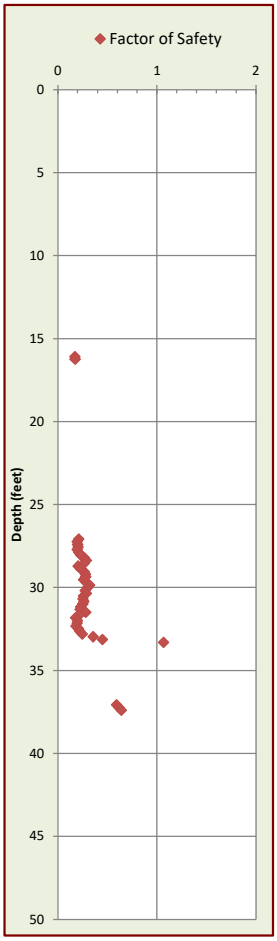
EXPECTED RANGE OF DISPLACEMENT

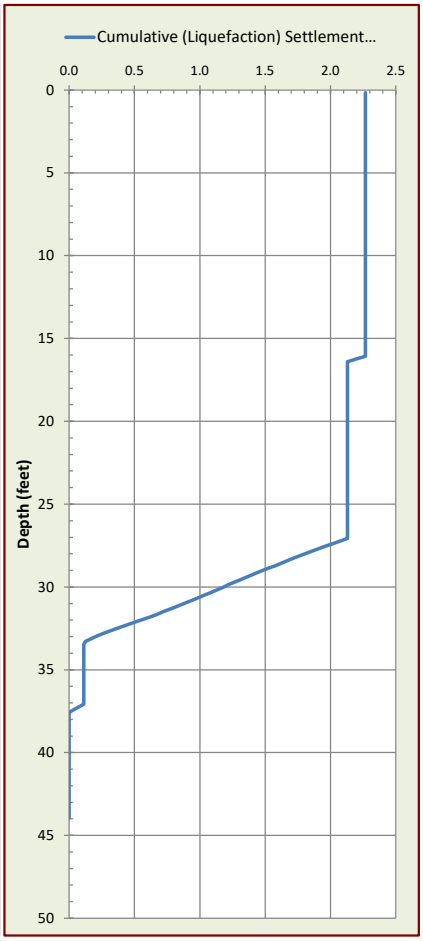
0.0 to 0.0 feet

[1]Not Valid for L/H Values < 4 and > 40.
[2]LDI Values Only Summed to 2H Below Grade.









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FIGURE 4C

CPT NO. 3

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PROJECT/CPT DATA

Project Title	1355 California Circle
Project No.	461-16-2
Project Manager	JRD

SEISMIC PARAMETERS

Controlling Fault	Hayward	
Earthquake Magnitude (Mw)	7.1	
PGA (Amax)	0.966	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	8.1
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	121
Ave. Unit Weight Below GW (pcf)	121

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM	5	FEET
	0.01	(Inches)
LIQUEFACTION SETTLEMENT FROM	50	FEET
	1.13	(Inches)
TOTAL SEISMIC SETTLEMENT	**1.1**	**INCHES**

POTENTIAL LATERAL DISPLACEMENT

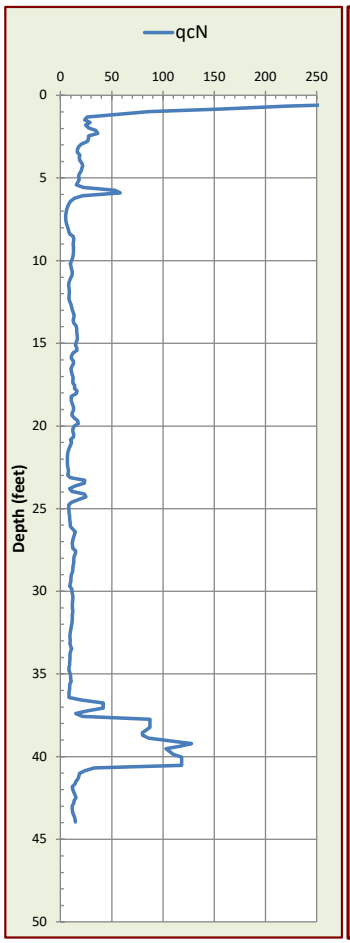
LDI[2]	0.01	L/H	208.0
LDI[1] Corrected for Distance	0.00	(4 < L/H < 40)	

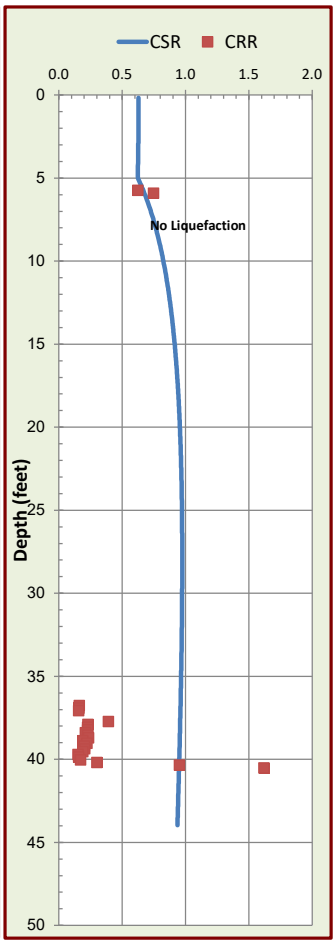
EXPECTED RANGE OF DISPLACEMENT

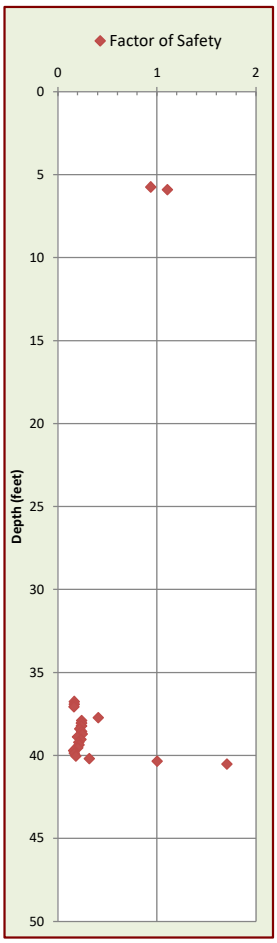
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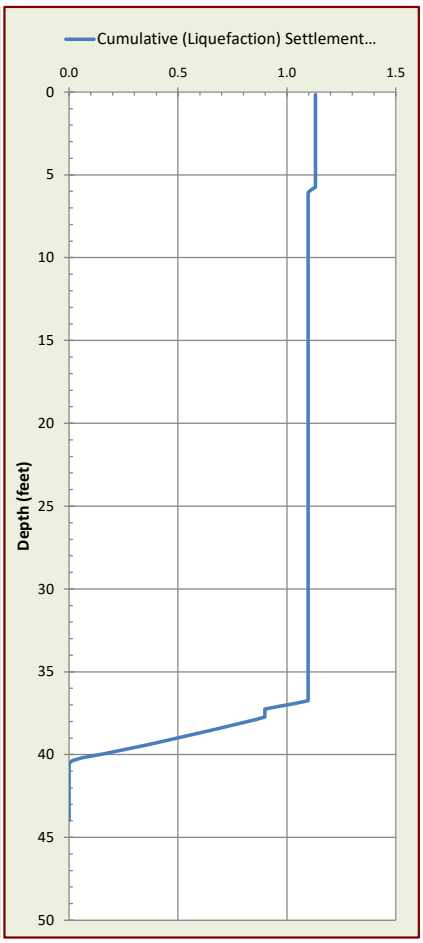
[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.









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FIGURE 4D

CPT NO. 4

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PROJECT/CPT DATA

Project Title	1355 California Circle
Project No.	461-16-2
Project Manager	JRD

SEISMIC PARAMETERS

Controlling Fault	Hayward	
Earthquake Magnitude (Mw)	7.1	
PGA (Amax)	0.966	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	9.8
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	121
Ave. Unit Weight Below GW (pcf)	121

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.00 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

0.37 (Inches)

TOTAL SEISMIC SETTLEMENT 0.4 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI[2] 0.28 L/H 104.0

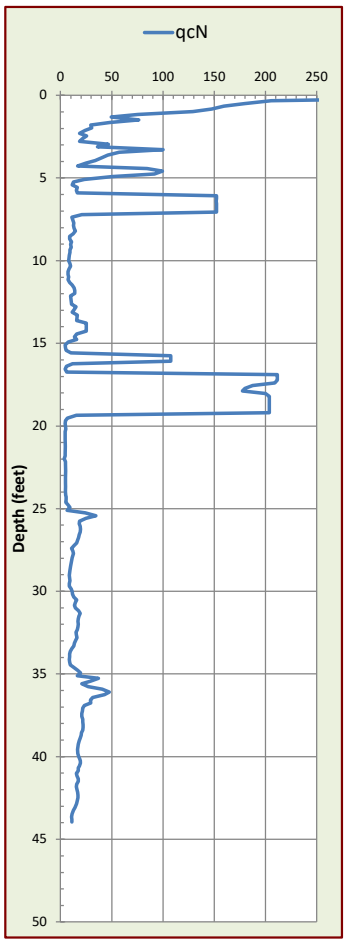
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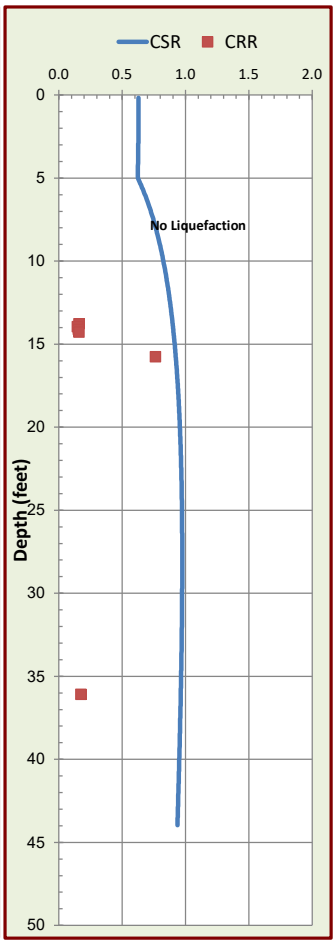
EXPECTED RANGE OF DISPLACEMENT

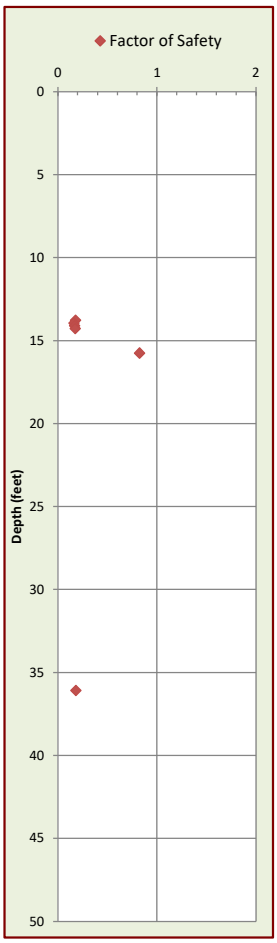
0.0 to 0.1 feet

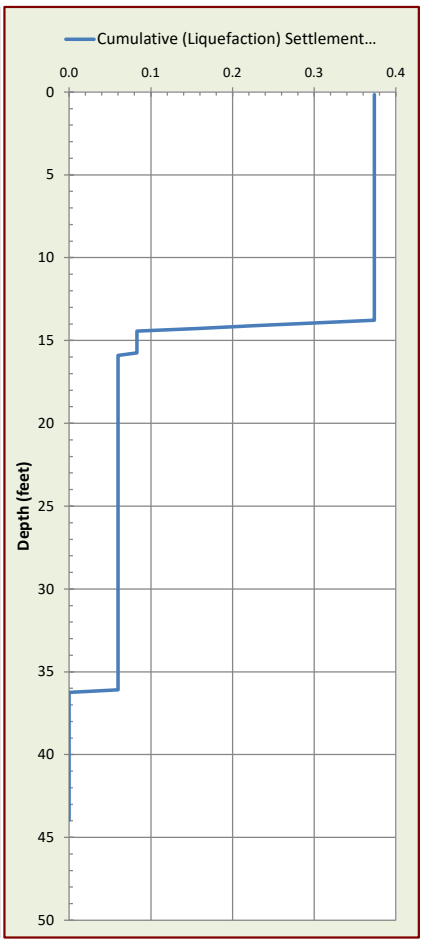
[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.









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FIGURE 4E

CPT NO. 5

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PROJECT/CPT DATA

Project Title	1355 California Circle
Project No.	461-16-2
Project Manager	JRD

SEISMIC PARAMETERS

Controlling Fault	Hayward	
Earthquake Magnitude (Mw)	7.1	
PGA (Amax)	0.966	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	7
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	121
Ave. Unit Weight Below GW (pcf)	121

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.09 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

1.10 (Inches)

TOTAL SEISMIC SETTLEMENT 1.2 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI[2] 0.37 L/H 110.0

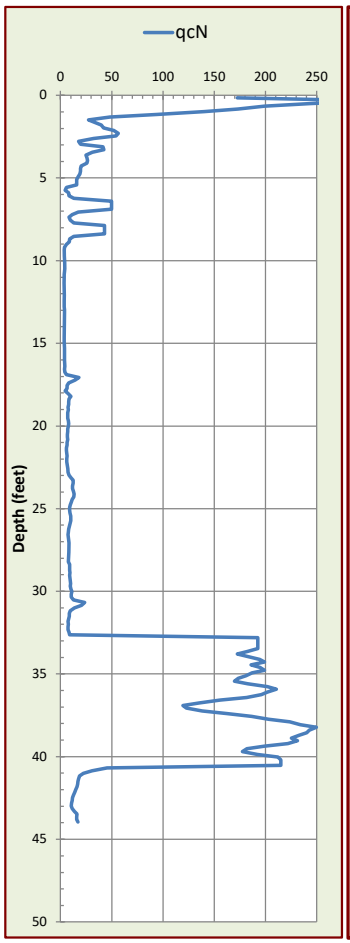
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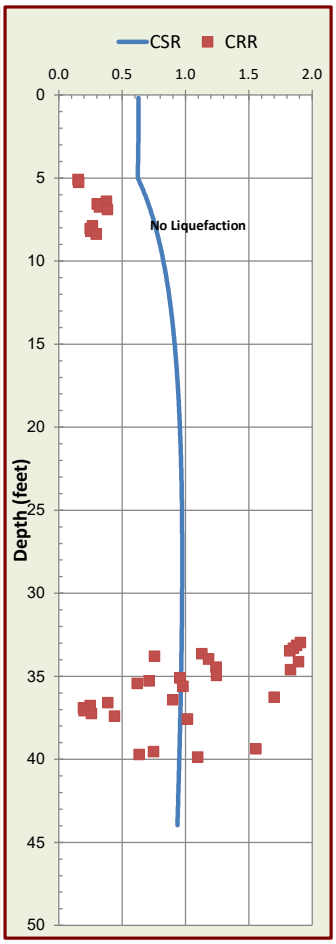
EXPECTED RANGE OF DISPLACEMENT

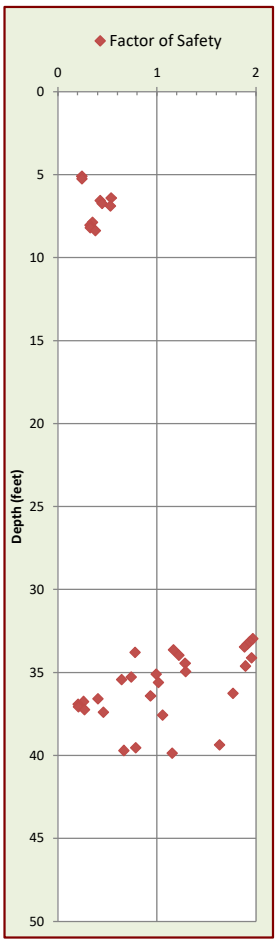
0.0 to 0.1 feet

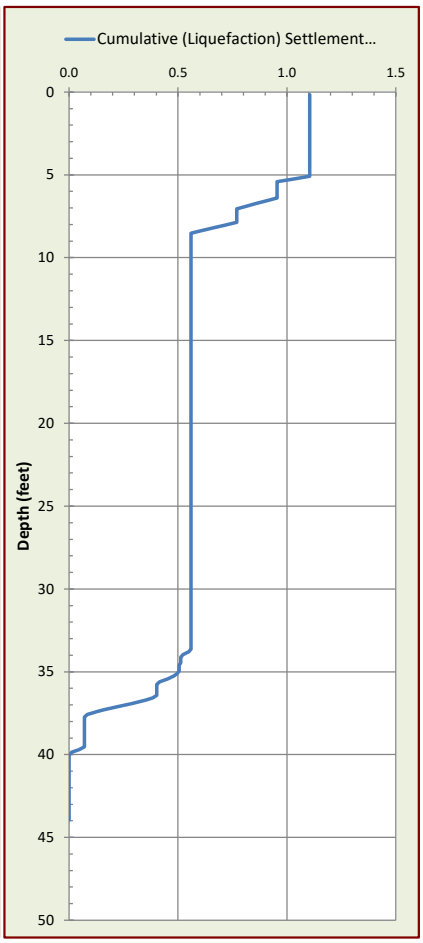
[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.









APPENDIX A: FIELD INVESTIGATION

The field investigation consisted of a surface reconnaissance and a subsurface exploration program using 20-ton truck-mounted Cone Penetration Test equipment. Five CPTs were performed in accordance with ASTM D 5778-95 (revised, 2002) on November 12, 2020 to depth of approximately 45 feet below the existing ground surface. Two 3-inch-diameter hand auger borings were drilled to a depth of about 3 to 5 feet to sample the surficial soils at the same day. The approximate exploration locations are shown on the Site Plan, Figure 2.

Exploration locations were approximated using existing site boundaries, and other site features as references. CPT and boring elevations were not determined. The locations of the CPTs and hand auger borings should be considered accurate only to the degree implied by the method used.

The CPT involved advancing an instrumented cone-tipped probe into the ground while simultaneously recording the resistance at the cone tip (q_c) and along the friction sleeve (f_s) at approximately 5-centimeter intervals. Based on the tip resistance and tip to sleeve ratio (R_f), the CPT classified the soil behavior type and estimated engineering properties of the soil, such as equivalent Standard Penetration Test (SPT) blow count, internal friction angle within sand layers, and undrained shear strength in silts and clays. A pressure transducer behind the tip of the CPT cone measured pore water pressure (u_2). Graphical logs of the CPT data is included as part of this appendix.

Attached CPT logs and related information depict subsurface conditions at the locations indicated and on the date designated on the logs. Subsurface conditions at other locations may differ from conditions occurring at these CPT locations. The passage of time may result in altered subsurface conditions due to environmental changes. In addition, any stratification lines on the logs represent the approximate boundary between soil types and the transition may be gradual.

UNIFIED SOIL CLASSIFICATION (ASTM D-2487-98)

MATERIAL TYPES	CRITERIA FOR ASSIGNING SOIL GROUP NAMES			GROUP SYMBOL	SOIL GROUP NAMES & LEGEND
COARSE-GRAINED SOILS >50% RETAINED ON NO. 200 SIEVE	GRAVELS >50% OF COARSE FRACTION RETAINED ON NO 4. SIEVE	CLEAN GRAVELS <5% FINES	Cu>4 AND 1<Cc<3	GW	WELL-GRADED GRAVEL
			Cu>4 AND 1>Cc>3	GP	POORLY-GRADED GRAVEL
		GRAVELS WITH FINES >12% FINES	FINES CLASSIFY AS ML OR CL	GM	SILTY GRAVEL
			FINES CLASSIFY AS CL OR CH	GC	CLAYEY GRAVEL
	SANDS >50% OF COARSE FRACTION PASSES ON NO 4. SIEVE	CLEAN SANDS <5% FINES	Cu>6 AND 1<Cc<3	SW	WELL-GRADED SAND
			Cu>6 AND 1>Cc>3	SP	POORLY-GRADED SAND
		SANDS AND FINES >12% FINES	FINES CLASSIFY AS ML OR CL	SM	SILTY SAND
			FINES CLASSIFY AS CL OR CH	SC	CLAYEY SAND
FINE-GRAINED SOILS >50% PASSES NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT<50	INORGANIC	PI>7 AND PLOTS>"A" LINE	CL	LEAN CLAY
			PI>4 AND PLOTS<"A" LINE	ML	SILT
		ORGANIC	LL (oven dried)/LL (not dried)<0.75	OL	ORGANIC CLAY OR SILT
	SILTS AND CLAYS LIQUID LIMIT>50	INORGANIC	PI PLOTS >"A" LINE	CH	FAT CLAY
			PI PLOTS <"A" LINE	MH	ELASTIC SILT
		ORGANIC	LL (oven dried)/LL (not dried)<0.75	OH	ORGANIC CLAY OR SILT
HIGHLY ORGANIC SOILS		PRIMARILY ORGANIC MATTER, DARK IN COLOR, AND ORGANIC ODOR		PT	PEAT

OTHER MATERIAL SYMBOLS

- Poorly-Graded Sand with Clay
- Clayey Sand
- Sandy Silt
- Artificial/Undocumented Fill
- Poorly-Graded Gravelly Sand
- Topsoil
- Well-Graded Gravel with Clay
- Well-Graded Gravel with Silt
- Sand
- Silt
- Well Graded Gravelly Sand
- Gravelly Silt
- Asphalt
- Boulders and Cobble

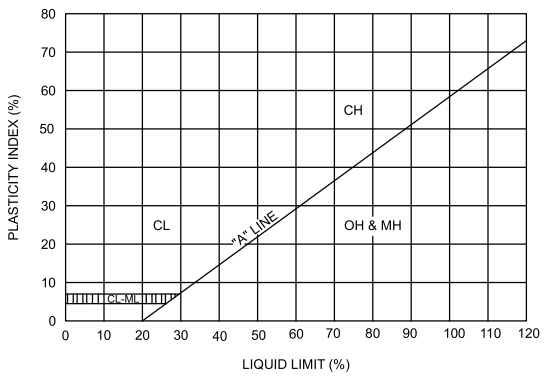
SAMPLER TYPES

- SPT
- Modified California (2.5" I.D.)
- Rock Core
- Shelby Tube
- No Recovery
- Grab Sample

ADDITIONAL TESTS

CA	-	CHEMICAL ANALYSIS (CORROSIVITY)	PI	-	PLASTICITY INDEX
CD	-	CONSOLIDATED DRAINED TRIAXIAL	SW		SWELL TEST
CN	-	CONSOLIDATION	TC	-	CYCLIC TRIAXIAL
CU	-	CONSOLIDATED UNDRAINED TRIAXIAL	TV	-	TORVANE SHEAR
DS	-	DIRECT SHEAR	UC	-	UNCONFINED COMPRESSION
PP	-	POCKET PENETROMETER (TSF)	(1.5)	-	(WITH SHEAR STRENGTH IN KSF)
(3.0)	-	(WITH SHEAR STRENGTH IN KSF)			
RV	-	R-VALUE	UU	-	UNCONSOLIDATED UNDRAINED TRIAXIAL
SA	-	SIEVE ANALYSIS: % PASSING #200 SIEVE			
▼	-	WATER LEVEL			

PLASTICITY CHART



PENETRATION RESISTANCE
(RECORDED AS BLOWS / FOOT)

SAND & GRAVEL		SILT & CLAY		
RELATIVE DENSITY	BLOWS/FOOT*	CONSISTENCY	BLOWS/FOOT*	STRENGTH** (KSF)
VERY LOOSE	0 - 4	VERY SOFT	0 - 2	0 - 0.25
LOOSE	4 - 10	SOFT	2 - 4	0.25 - 0.5
MEDIUM DENSE	10 - 30	MEDIUM STIFF	4 - 8	0.5-1.0
DENSE	30 - 50	STIFF	8 - 15	1.0 - 2.0
VERY DENSE	OVER 50	VERY STIFF	15 - 30	2.0 - 4.0
		HARD	OVER 30	OVER 4.0

* NUMBER OF BLOWS OF 140 LB HAMMER FALLING 30 INCHES TO DRIVE A 2 INCH O.D. (1-3/8 INCH I.D.) SPLIT-BARREL SAMPLER THE LAST 12 INCHES OF AN 18-INCH DRIVE (ASTM-1586 STANDARD PENETRATION TEST).

** UNDRAINED SHEAR STRENGTH IN KIPS/SQ. FT. AS DETERMINED BY LABORATORY TESTING OR APPROXIMATED BY THE STANDARD PENETRATION TEST, POCKET PENETROMETER, TORVANE, OR VISUAL OBSERVATION.

CORNERSTONE EARTH GROUP

LEGEND TO SOIL DESCRIPTIONS

Figure Number A-1

BORING NUMBER HA-1

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 461-16-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 11/12/20 DATE COMPLETED 11/12/20
GROUND ELEVATION _____ BORING DEPTH 2.5 ft.
DRILLING CONTRACTOR N/A
LATITUDE _____ LONGITUDE _____
DRILLING METHOD 3 inch diameter Hand Auger
GROUND WATER LEVELS:
LOGGED BY BCG
AT TIME OF DRILLING Not Encountered
NOTES _____
AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0)
	0.0		**Sandy Lean Clay (CL) [Fill]** hard, dry to moist, dark brown and brown mottled, fine to medium sand, some fine subangular gravel, low to moderate plasticity		GB-1		11			>4.5 ○
			Clayey Sand with Gravel (SC) [Fill] dry to moist, brown, fine to medium sand, fine to coarse subangular gravel		GB-2		10		36	
	2.5		Practical refusal of hand auger at 2.5' on apparent cobble. Bottom of Boring at 2.5 feet.							
	5.0									
	7.5									
	10.0									

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 11/18/20 12:45 - P:\DRAFTING\GINT FILES\461-16-2 CALIFORNIA CIRCLE.GPJ

BORING NUMBER HA-2

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 461-16-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 11/12/20 DATE COMPLETED 11/12/20
GROUND ELEVATION _____ BORING DEPTH 5 ft.
DRILLING CONTRACTOR N/A
LATITUDE _____ LONGITUDE _____
DRILLING METHOD 3 inch diameter Hand Auger
GROUND WATER LEVELS:
LOGGED BY BCG
AT TIME OF DRILLING Not Encountered
NOTES _____
AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
	0.0		**Sandy Lean Clay (CL) [Fill]** hard, dry to moist, dark brown and brown mottled, fine to medium sand, some fine subangular gravel, low to moderate plasticity		GB-1		7		
			Clayey Sand with Gravel (SC) [Fill] dry to moist, brown, fine to medium sand, fine to coarse subangular gravel		GB-2		7		
					GB-3		11		
	2.5		**Sandy Lean Clay (CL) [Fill]** hard, moist, dark brown and brown mottled, fine to medium sand, some fine subangular gravel, moderate plasticity Liquid Limit = , Plastic Limit =		GB-4		20		
			Clayey Sand (SC) [Fill] moist, brown, fine to medium sand		GB-5		12		
	5.0		Bottom of Boring at 5.0 feet.						
	7.5								
	10.0								

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

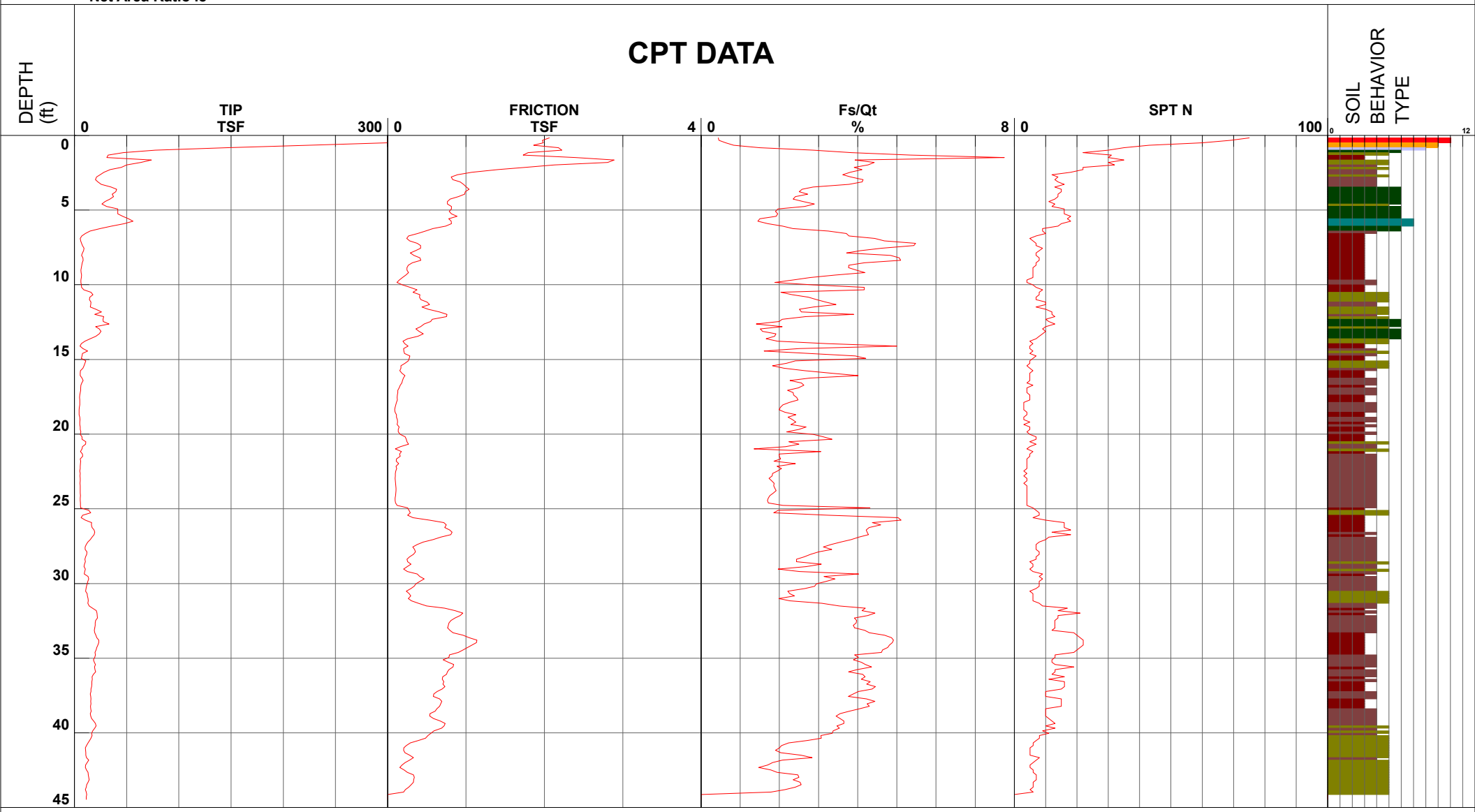
CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 11/18/20 12:45 - P:\DRAFTING\GINT FILES\461-16-2 CALIFORNIA CIRCLE.GPJ

Cornerstone Earth Group

Project	1355 California Circle	Operator	BH-AJ	Filename	SDF(370).cpt
Job Number	461-16-2	Cone Number	DDG1496	GPS	
Hole Number	CPT-01	Date and Time	11/12/2020 9:44:44 AM	Maximum Depth	44.45 ft
EST GW Depth During Test		0.00 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

1355 California Circle

Project ID: Cornerstone Earth Group
Data File: SDF(370).cpt
CPT Date: 11/12/2020 9:44:44 AM
GW During Test: 10 ft

Sounding ID: CPT-01
Project No: 461-16-2
Cone/Rig: DDG1496

Depth ft	qc PS tsf	qc1n PS - *	q1ncs PS - *	qt PS tsf *	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description *	Unit Wght pcf	Qc to N	SPT R-N1 60% *	SPT R-N 60%	SPT IcN1 60% *	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR - *	Fin Ic % *	D50 - mm *	Ic SBT Indx *	Nk -
0.33	435.2	697.9	697.9	435.2	2.0	-0.1	0.5	7	grvly SAND to dense SAND	130	6.0	100	73	100	95	48	-	-	5	1.000	1.08	16
0.49	315.4	505.9	505.9	315.4	2.0	0.1	0.6	7	grvly SAND to dense SAND	130	6.0	84	53	78	95	48	-	-	5	1.000	1.27	16
0.66	224.2	359.5	359.5	224.2	1.9	-0.1	0.8	6	clean SAND to silty SAND	125	5.0	72	45	58	95	48	-	-	5	0.350	1.46	16
0.82	146.0	234.2	255.2	146.0	2.2	-0.1	1.5	6	clean SAND to silty SAND	125	5.0	47	29	42	95	48	-	-	8	0.350	1.78	16
0.98	77.4	124.2	198.3	77.4	2.2	0.0	2.9	5	silty SAND to sandy SILT	120	3.0	41	26	26	74	48	-	-	18	0.200	2.17	16
1.15	46.7	75.0	176.1	46.7	1.8	0.0	3.8	4	clayy SILT to silty CLAY	115	2.0	37	23	17	-	-	3.3	9.9	27	0.070	2.41	15
1.31	32.3	51.8	-	32.3	1.7	0.8	5.4	4	clayy SILT to silty CLAY	115	2.0	26	16	13	-	-	2.3	9.9	37	0.070	2.62	15
1.48	30.9	49.6	-	31.0	2.4	2.3	7.8	3	silty CLAY to CLAY	115	1.5	33	21	14	-	-	2.2	9.9	44	0.005	2.76	15
1.64	73.5	117.9	226.7	73.6	2.9	1.9	3.9	8	stiff SAND to clayy SAND	115	5.0	24	15	26	72	48	-	-	22	0.250	2.29	16
1.80	63.5	101.8	224.0	63.4	2.8	-1.8	4.4	9	very stiff fine SOIL	120	1.0	100	63	23	-	-	2.2	9.9	25	0.250	2.37	30
1.97	50.0	80.2	193.8	49.9	2.1	-2.4	4.3	4	clayy SILT to silty CLAY	115	2.0	40	25	19	-	-	3.5	9.9	27	0.070	2.43	15
2.13	45.0	72.1	175.0	45.0	1.8	-1.8	3.9	4	clayy SILT to silty CLAY	115	2.0	36	22	17	-	-	3.2	9.9	28	0.070	2.43	15
2.30	34.1	54.7	158.6	34.1	1.4	-2.3	4.1	4	clayy SILT to silty CLAY	115	2.0	27	17	13	-	-	2.4	9.9	32	0.070	2.53	15
2.46	28.2	45.2	139.6	28.1	1.1	-2.7	3.8	4	clayy SILT to silty CLAY	115	2.0	23	14	11	-	-	2.0	9.9	33	0.070	2.56	15
2.62	24.6	39.4	128.3	24.6	0.9	-2.1	3.6	4	clayy SILT to silty CLAY	115	2.0	20	12	10	-	-	1.7	9.9	35	0.070	2.59	15
2.79	21.2	34.0	-	21.2	0.8	-1.8	3.9	4	clayy SILT to silty CLAY	115	2.0	17	11	9	-	-	1.5	9.9	38	0.070	2.65	15
2.95	20.0	32.1	-	20.0	0.8	-1.7	4.2	4	clayy SILT to silty CLAY	115	2.0	16	10	9	-	-	1.4	9.9	40	0.070	2.69	15
3.12	22.5	36.1	-	22.5	0.9	-1.4	4.1	4	clayy SILT to silty CLAY	115	2.0	18	11	9	-	-	1.6	9.9	38	0.070	2.66	15
3.28	25.6	41.0	133.8	25.6	1.0	-1.5	3.8	4	clayy SILT to silty CLAY	115	2.0	21	13	10	-	-	1.8	9.9	35	0.070	2.59	15
3.45	35.1	56.3	131.4	35.1	1.0	-1.8	2.9	5	silty SAND to sandy SILT	120	3.0	19	12	13	48	43	-	-	27	0.200	2.41	16
3.61	40.3	64.6	132.5	40.3	1.0	-0.1	2.6	5	silty SAND to sandy SILT	120	3.0	22	13	15	53	44	-	-	24	0.200	2.33	16
3.77	39.5	63.4	129.5	39.5	1.0	-0.1	2.5	5	silty SAND to sandy SILT	120	3.0	21	13	14	52	43	-	-	24	0.200	2.33	16
3.94	36.0	57.8	129.6	36.0	1.0	0.0	2.7	5	silty SAND to sandy SILT	120	3.0	19	12	13	49	43	-	-	26	0.200	2.38	16
4.10	37.5	60.1	123.7	37.5	0.9	0.3	2.4	5	silty SAND to sandy SILT	120	3.0	20	12	14	50	43	-	-	24	0.200	2.33	16
4.27	33.9	54.4	117.0	33.9	0.8	-0.3	2.4	5	silty SAND to sandy SILT	120	3.0	18	11	12	47	42	-	-	25	0.200	2.36	16
4.43	29.3	47.0	115.9	29.3	0.8	-0.2	2.6	5	silty SAND to sandy SILT	120	3.0	16	10	11	42	41	-	-	28	0.200	2.44	16
4.59	26.3	42.2	117.3	26.3	0.8	0.0	2.9	4	clayy SILT to silty CLAY	115	2.0	21	13	10	-	-	1.8	9.9	31	0.070	2.50	15
4.76	30.8	49.4	119.3	30.8	0.8	0.0	2.7	5	silty SAND to sandy SILT	120	3.0	16	10	12	44	41	-	-	27	0.200	2.42	16
4.92	41.4	66.4	117.8	41.4	0.8	-0.1	2.0	5	silty SAND to sandy SILT	120	3.0	22	14	14	53	42	-	-	20	0.200	2.24	16
5.09	41.3	66.3	116.0	41.3	0.8	-0.1	1.9	5	silty SAND to sandy SILT	120	3.0	22	14	14	53	42	-	-	20	0.200	2.23	16
5.25	41.5	66.5	117.9	41.5	0.8	-0.1	2.0	5	silty SAND to sandy SILT	120	3.0	22	14	14	54	42	-	-	20	0.200	2.24	16
5.41	46.2	74.1	123.4	46.2	0.9	-0.1	1.9	5	silty SAND to sandy SILT	120	3.0	25	15	16	57	42	-	-	19	0.200	2.20	16
5.58	51.9	83.2	119.6	51.8	0.8	-0.5	1.5	5	silty SAND to sandy SILT	120	3.0	28	17	17	61	43	-	-	16	0.200	2.09	16
5.74	56.1	90.0	124.0	56.1	0.8	-0.7	1.5	5	silty SAND to sandy SILT	120	3.0	30	19	18	64	43	-	-	14	0.200	2.05	16
5.91	47.6	76.4	119.6	47.6	0.8	-1.7	1.7	5	silty SAND to sandy SILT	120	3.0	25	16	16	58	42	-	-	18	0.200	2.16	16
6.07	35.6	57.1	112.9	35.5	0.7	-1.2	2.1	5	silty SAND to sandy SILT	120	3.0	19	12	13	48	40	-	-	23	0.200	2.31	16
6.23	24.5	39.1	102.5	24.5	0.6	-0.8	2.4	5	silty SAND to sandy SILT	120	3.0	13	8	9	36	38	-	-	29	0.200	2.47	16
6.40	14.9	23.8	-	14.8	0.5	-1.8	3.3	4	clayy SILT to silty CLAY	115	2.0	12	7	7	-	-	1.0	9.9	42	0.070	2.73	15
6.56	10.3	16.6	-	10.3	0.4	-2.6	3.9	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	8.4	52	0.005	2.90	15
6.73	7.0	11.3	-	7.0	0.3	-3.5	4.0	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	5.5	62	0.005	3.05	15
6.89	5.5	8.8	-	5.4	0.2	-2.7	4.8	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	4.1	72	0.005	3.19	15
7.05	6.0	9.6	-	5.9	0.3	-2.4	5.0	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	4.4	71	0.005	3.17	15
7.22	6.9	11.0	-	6.8	0.4	-2.2	5.8	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	5.0	70	0.005	3.16	15
7.38	7.7	12.4	-	7.7	0.4	-1.4	5.8	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	5.5	67	0.005	3.11	15
7.55	9.1	14.6	-	9.1	0.4	-1.3	4.8	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	6.4	59	0.005	3.01	15
7.71	8.8	14.0	-	8.7	0.4	-1.6	4.3	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	6.0	58	0.005	2.99	15
7.87	7.8	12.5	-	7.8	0.3	-0.8	4.0	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	5.2	59	0.005	3.01	15
8.04	6.9	11.1	-	6.9	0.3	-0.4	5.2	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	4.5	68	0.005	3.13	15
8.20	8.1	13.0	-	8.1	0.4	-0.1	5.4	3	silty CLAY to CLAY	115	1.5	9	5	4	-	-	0.5	5.2	64	0.005	3.08	15
8.37	8.3	13.3	-	8.3	0.4	-0.8	5.4	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	5.2	64	0.005	3.07	15
8.53	7.5	12.0	-	7.5	0.3	-0.9	4.5	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	4.6	63	0.005	3.06	15
8.69	6.9	11.1	-	6.9	0.3	-0.4	4.1	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	4.1	63	0.005	3.06	15
8.86	6.5	10.4	-	6.5	0.2	0.4	4.1	3	silty CLAY to CLAY	115	1.5	7	4	4	-	-	0.4	3.8	65	0.005	3.09	15
9.02	6.2	9.9	-	6.2	0.2	0.3	4.3	3	silty CLAY to CLAY	115	1.5	7	4	3	-	-	0.4	3.5	67	0.005	3.13	15
9.19	6.3	10.2	-	6.3	0.3	0.2	4.6	3	silty CLAY to CLAY	115	1.5	7	4	4	-	-	0.4	3.5	68	0.005	3.13	15
9.35	6.8	10.9	-	6.8	0.2	0.5	3.7	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.4	3.7	62	0.005	3.05	15
9.51	6.7	10.8	-	6.7	0.2	0.8	3.0	3	silty CLAY to CLAY	115	1.5	7	4	3	-	-	0.4	3.6	59	0.005	3.00	15
9.68	6.3	10.0	-	6.3	0.1	0.9	2.6	3	silty CLAY to CLAY	115	1.5	7	4	3	-	-	0.4	3.3	58	0.005	2.99	15
9.84	6.3	10.0	-	6.3	0.1	1.1	2.1	3	silty CLAY to CLAY	115	1.5	7	4	3	-	-	0.4	3.2	55	0.005	2.94	15
10.01	6.6	10.6	-	6.6	0.2	1.3	3.1	3	silty CLAY to CLAY	115	1.5	7	4	3	-	-	0.4	3.4	60	0.005	3.02	15
10.17	6.9	11.1	-	6.9	0.3	1.5	4.6	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.4	3.5	65	0.005	3.10	15
10.34	9.0	14.4	-	9.0	0.4	1.8	4.5	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	4.7	58	0.005	3.00	15
10.50	15.8	22.3	-	15.8	0.3	1.6	2.1	4	clayy SILT to silty CLAY	115	2.0	11	8	6	-	-	1.1	8.4	37	0.070	2.64	15
10.66	17.7	24.8	-	17.7	0.4	-0.3	2.4	4	clayy SILT to silty CLAY	115	2.0	12	9	6	-	-	1.2	9.4	37	0.070	2.63	15
10.83	14.8	23.8	-	14.8	0.4	-0.7	2.9	4	clayy SILT to silty CLAY	115	2.0	12	7	6	-	-	1.0	7.7	40	0.070	2.70	15
10.99	14.3	23.0	-	14.3	0.4	-0.5	3.1	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	1.0	7.4	42	0.070	2.73	15
11.16	15.7	25.3	-	15.7	0.5	-0.8	3.3	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.1	8.1	41	0.070	2.72	15
11.32	15.5	24.9	-	15.5	0.5	-0.8	3.6	4	clayy SILT to silty CLAY	115	2.0	12	8	7	-	-	1.1	7.9	43	0.070	2.75	15
11.48	15.2	24.3	-	15.2	0.4	-0.5	3.0	4	clayy SILT to silty CLAY	115	2.0	12	8	7	-	-	1.0	7.7	41	0.070	2.70	15
11.65	20.6	28.1	-	20.6	0.5	-0.6	2.6	4	clayy SILT to silty CLAY	115	2.0	14	10	7	-	-	1.4	9.9	36	0.070	2.61	15
11.81	25.7	31.5	99.8	25.7	0.7	-1.8	2.6	4	clayy SILT to silty CLAY	115	2.0	16	13	8	-	-	1.8	9.9	34	0.070	2.57	15
11.98	19.4	30.6	-	19.4	0.8	-2.0	4.0	4	clayy SILT to silty CLAY	115	2.0	15	10	8	-	-	1.3	9.7	41	0.070	2.71	15
12.14	28.1	34.1	105.1	28.1	0.8	-1.7	2.7	4	clayy SILT to silty CLAY	115	2.0	17	14	9	-	-	1.9	9.9	33	0.070	2.56	15
12.30	27.4	33.1	91.5	27.3	0.6	-3.6	2.1	4	clayy SILT to silty CLAY	115	2.0	17	14	8	-	-	1.9	9.9	31	0.070	2.50	15
12.47	27.5	33.2	89.8	27.5	0.5	-3.9	2.0	5	silty SAND to sandy SILT	120	3.0	11	9	8	31	36	-	-	30	0.200	2.49	16
12.63	33.1	39.7	81.7	33.0	0.5	-4.3	1.4	5	silty SAND to sandy SILT	120	3.0	13	11	9	37	37	-	-	24	0.200	2.33	16
12.80	20.3	26.7	85.6	20.2	0.4	-3.8	2.2	4	clayy SILT to silty CLAY	115	2.0	13	10	7	-	-	1.4	9.8	34	0.070	2.58	15
12.96	23.8	28.4	75.1	23.7	0.4	-3.7	1.6	5	silty SAND to sandy SILT	120	3.0	9	8	7	25	35	-	-	30	0.200	2.47	16
13.12	25.4	30.2	78.0	25.3	0.4	-4.3	1.6	5	silty SAND to sandy SILT	120	3.0	10	8	7	28	35	-	-	29	0.200	2.46	16
13.29	23.7	28.1	83.4	23.6	0.5	-4.7	2.0	4	clayy SILT to silty CLAY	115	2.0	14	12	7	-	-	1.6	9.9	32	0.070	2.54	15
13.45	20.5	24.2	79.0	20.4	0.4	-4.4	2.0	4	clayy SILT to silty CLAY	115	2.0	12	10	6	-	-	1.4	9.6	35	0.070	2.59	15
13.62	15.3	19.7	-	15.2	0.3	-3.6	1.8	4	clayy SILT to silty CLAY	115	2.0	10	8	5	-	-	1.0	7.0	37	0.070	2.64	15
13.78	10.0	14.6	-	10.0	0.2	-3.5	2.1	4	clayy SILT to silty CLAY	115	2.0	7	5	4	-	-	0.7	4.4	46	0.070	2.81	15
13.94	6.7	9.7	-	6.6	0.2	-3.5	3.7	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.8	66	0.005	3.10	15
14.11	5.2	7.5	-	5.2	0.3	-3.0	5.9	3	silty CLAY to CLAY	115	1.5	5	3	3	-	-	0.3	2.1	84	0.005	3.33	15
14.27	8.1	11.6	-	8.0	0.2	-2.5	2.8	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	3.4	56	0.005	2.97	15
14.44	12.7	18.0	-	12.6	0.2	-2.5	1.7	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.6	39	0.070	2.68	15
14.60	7.7	10.9	-	7.7	0.2	-1.9	3.1	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	3.2	60	0.005	3.02	15
14.76	7.2	10.2	-	7.2	0.3	-1.5	4.5	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	3.0	68	0.005	3.14	15
14.93	6.5	9.1	-	6.5	0.3	-1.4	4.9	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.6	73	0.005	3.20	15
15.09	10.8	15.1	-	10.8	0.3	-1.2	2.6	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	4.6	49	0.070	2.85	15
15.26	10.0	13.8	-	10.0	0.2	-1.5	2.4	4	clayy SILT to silty CLAY	115	2.0	7	5	4	-	-	0.7	4.2	49	0.070	2.86	15
15.42	9.2	12.6	-	9.1	0.2	-1.3	2.0	4	clayy SILT to silty CLAY	115	2.0	6	5	4	-	-	0.6	3.7	49	0.070	2.86	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Middle Earth Geo Testing

Project ID: Cornerstone Earth Group
Data File: SDF(370).cpt
CPT Date: 11/12/2020 9:44:44 AM
GW During Test: 10 ft

Depth ft	qc PS tsf	qc1n PS - *	q1ncs PS -	qt PS tsf *	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60% *	SPT R-N 60%	SPT IcN1 60% *	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR - *	Fin Ic %	D50 - mm *	Ic SBT Indx - *	Nk -
15.58	8.0	10.9	-	8.0	0.2	-1.5	2.4	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	3.2	55	0.005	2.95	15
15.75	5.8	7.9	-	5.8	0.2	-1.2	3.2	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.2	70	0.005	3.16	15
15.91	5.5	7.4	-	5.5	0.2	0.2	4.0	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.3	2.0	76	0.005	3.24	15
16.08	5.5	7.4	-	5.5	0.2	0.4	4.8	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.3	2.0	80	0.005	3.29	15
16.24	7.2	9.6	-	7.2	0.2	0.7	3.2	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.8	64	0.005	3.08	15
16.40	8.3	11.0	-	8.3	0.2	0.5	2.6	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.5	3.2	56	0.005	2.97	15
16.57	7.0	9.3	-	7.0	0.2	0.6	3.0	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.6	64	0.005	3.08	15
16.73	6.1	8.0	-	6.1	0.2	0.9	3.1	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.2	69	0.005	3.15	15
16.90	5.9	7.7	-	5.9	0.1	1.1	3.0	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.1	70	0.005	3.16	15
17.06	5.9	7.6	-	5.9	0.1	1.3	2.7	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.1	68	0.005	3.14	15
17.23	5.5	7.1	-	5.5	0.1	1.4	2.9	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.3	1.9	72	0.005	3.18	15
17.39	5.2	6.6	-	5.2	0.1	1.5	2.9	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.8	75	0.005	3.22	15
17.55	4.9	6.3	-	5.0	0.1	1.7	3.1	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.6	78	0.005	3.26	15
17.72	5.0	6.3	-	5.0	0.1	1.8	3.1	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.6	78	0.005	3.26	15
17.88	5.0	6.4	-	5.1	0.1	2.0	2.8	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.7	76	0.005	3.23	15
18.05	5.0	6.2	-	5.0	0.1	2.1	2.6	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.6	75	0.005	3.23	15
18.21	4.6	5.8	-	4.7	0.1	2.2	2.6	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.5	78	0.005	3.26	15
18.37	4.4	5.5	-	4.5	0.1	2.4	2.6	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.4	80	0.005	3.29	15
18.54	4.5	5.5	-	4.5	0.1	2.6	2.8	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.4	81	0.005	3.30	15
18.70	4.6	5.6	-	4.6	0.1	2.7	3.2	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.4	83	0.005	3.32	15
18.87	5.1	6.2	-	5.2	0.1	2.9	2.8	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.6	77	0.005	3.24	15
19.03	5.3	6.5	-	5.4	0.1	3.0	2.9	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.7	76	0.005	3.24	15
19.19	5.1	6.2	-	5.2	0.1	4.0	3.1	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.6	78	0.005	3.27	15
19.36	5.2	6.3	-	5.3	0.1	4.2	2.9	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.6	77	0.005	3.25	15
19.52	5.4	6.5	-	5.5	0.1	4.4	3.4	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.7	78	0.005	3.27	15
19.69	5.4	6.4	-	5.5	0.1	4.5	3.2	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.7	77	0.005	3.26	15
19.85	6.2	7.3	-	6.2	0.1	4.7	2.7	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.0	70	0.005	3.16	15
20.01	5.6	6.6	-	5.7	0.2	4.9	3.6	3	silty CLAY to CLAY	115	1.5	4	4	3	-	-	0.3	1.7	79	0.005	3.28	15
20.18	7.1	8.4	-	7.2	0.2	5.0	3.7	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.3	71	0.005	3.18	15
20.34	7.1	8.3	-	7.2	0.2	5.0	4.0	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.3	73	0.005	3.20	15
20.51	11.0	12.8	-	11.1	0.2	5.4	2.5	3	silty CLAY to CLAY	115	1.5	9	7	4	-	-	0.7	3.8	52	0.005	2.91	15
20.67	10.7	12.3	-	10.8	0.3	4.6	2.8	3	silty CLAY to CLAY	115	1.5	8	7	4	-	-	0.7	3.6	55	0.005	2.95	15
20.83	7.5	8.7	-	7.6	0.2	4.8	2.6	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.4	64	0.005	3.08	15
21.00	7.3	8.4	-	7.4	0.1	5.6	1.6	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.3	58	0.005	2.99	15
21.16	5.7	6.5	-	5.8	0.2	5.5	3.9	3	silty CLAY to CLAY	115	1.5	4	4	3	-	-	0.3	1.7	81	0.005	3.30	15
21.33	7.6	8.6	-	7.8	0.2	6.1	2.4	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.4	63	0.005	3.06	15
21.49	8.0	9.0	-	8.1	0.2	5.2	2.4	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.5	61	0.005	3.04	15
21.65	5.4	6.1	-	5.5	0.1	6.0	2.6	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	77	0.005	3.25	15
21.82	5.9	6.6	-	6.0	0.1	6.3	2.4	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.4	1.7	72	0.005	3.18	15
21.98	5.8	6.5	-	5.9	0.1	6.3	3.1	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.7	77	0.005	3.25	15
22.15	5.5	6.1	-	5.6	0.1	6.5	2.5	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	76	0.005	3.24	15
22.31	5.5	6.1	-	5.7	0.1	6.4	2.7	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	77	0.005	3.25	15
22.47	5.2	5.7	-	5.3	0.1	6.6	2.6	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.4	79	0.005	3.28	15
22.64	5.4	5.9	-	5.6	0.1	6.6	2.4	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	76	0.005	3.24	15
22.80	5.4	5.8	-	5.5	0.1	6.8	2.4	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	77	0.005	3.25	15
22.97	5.5	5.9	-	5.6	0.1	6.7	2.3	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	76	0.005	3.23	15
23.13	5.4	5.8	-	5.5	0.1	6.7	2.4	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.4	77	0.005	3.25	15
23.30	5.4	5.7	-	5.5	0.1	6.8	2.5	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.4	78	0.005	3.27	15
23.46	5.5	5.9	-	5.6	0.1	6.9	2.5	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	77	0.005	3.25	15
23.62	5.5	5.9	-	5.7	0.1	6.9	2.5	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	77	0.005	3.26	15
23.79	5.4	5.7	-	5.6	0.1	6.9	2.6	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.4	79	0.005	3.27	15
23.95	5.6	5.9	-	5.7	0.1	7.0	2.5	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	77	0.005	3.25	15
24.12	5.7	5.9	-	5.8	0.1	7.0	2.3	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	76	0.005	3.24	15
24.28	5.6	5.8	-	5.7	0.1	7.0	2.3	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.4	77	0.005	3.25	15
24.44	5.6	5.8	-	5.7	0.1	7.0	2.3	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.4	76	0.005	3.24	15
24.61	5.8	6.0	-	5.9	0.1	7.1	2.3	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	75	0.005	3.23	15
24.77	5.7	5.9	-	5.9	0.1	7.2	2.8	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.5	80	0.005	3.28	15
24.94	5.9	6.0	-	6.0	0.3	7.2	5.7	3	silty CLAY to CLAY	115	1.5	4	4	3	-	-	0.3	1.5	93	0.005	3.44	15
25.10	13.8	14.0	-	13.9	0.3	7.5	2.2	4	clayy SILT to silty CLAY	115	2.0	7	7	4	-	-	0.9	4.1	48	0.070	2.84	15
25.26	15.6	15.8	-	15.7	0.3	5.9	2.0	4	clayy SILT to silty CLAY	115	2.0	8	8	4	-	-	1.0	4.7	45	0.070	2.77	15
25.43	7.9	7.9	-	8.0	0.3	6.6	4.0	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.5	2.1	75	0.005	3.23	15
25.59	6.4	6.4	-	6.6	0.3	11.1	6.6	3	silty CLAY to CLAY	115	1.5	4	4	3	-	-	0.4	1.6	94	0.005	3.44	15
25.76	10.4	10.4	-	10.7	0.5	12.7	6.0	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	3.0	74	0.005	3.21	15
25.92	16.4	16.3	-	16.5	0.7	8.1	4.8	3	silty CLAY to CLAY	115	1.5	11	11	5	-	-	1.1	4.9	57	0.005	2.98	15
26.08	16.3	16.2	-	16.5	0.7	7.1	5.1	3	silty CLAY to CLAY	115	1.5	11	11	5	-	-	1.1	4.8	59	0.005	3.00	15
26.25	17.0	16.8	-	17.1	0.7	8.2	4.7	3	silty CLAY to CLAY	115	1.5	11	11	5	-	-	1.1	5.0	56	0.005	2.97	15
26.41	18.8	18.5	-	19.0	0.8	9.0	4.6	3	silty CLAY to CLAY	115	1.5	12	13	6	-	-	1.3	5.6	54	0.005	2.93	15
26.58	19.4	19.0	-	19.5	0.8	9.0	4.6	3	silty CLAY to CLAY	115	1.5	13	13	6	-	-	1.3	5.8	53	0.005	2.92	15
26.74	18.8	18.3	-	19.0	0.8	8.6	4.7	3	silty CLAY to CLAY	115	1.5	12	13	6	-	-	1.3	5.6	54	0.005	2.93	15
26.90	16.8	16.3	-	17.0	0.7	8.2	4.4	3	silty CLAY to CLAY	115	1.5	11	11	5	-	-	1.1	4.9	56	0.005	2.96	15
27.07	15.1	14.6	-	15.3	0.6	8.1	4.3	3	silty CLAY to CLAY	115	1.5	10	10	5	-	-	1.0	4.3	58	0.005	2.99	15
27.23	12.8	12.3	-	12.9	0.5	8.5	4.1	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.8	3.6	62	0.005	3.05	15
27.40	11.4	10.9	-	11.5	0.4	7.9	3.9	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.7	3.1	64	0.005	3.08	15
27.56	10.3	9.8	-	10.5	0.3	8.3	3.7	3	silty CLAY to CLAY	115	1.5	7	7	3	-	-	0.7	2.7	67	0.005	3.11	15
27.72	10.3	9.8	-	10.5	0.3	8.8	4.0	3	silty CLAY to CLAY	115	1.5	7	7	3	-	-	0.7	2.7	68	0.005	3.13	15
27.89	11.9	11.2	-	12.0	0.4	9.3	3.5	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.2	62	0.005	3.04	15
28.05	11.8	11.1	-	11.9	0.3	9.2	3.2	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.2	61	0.005	3.03	15
28.22	10.6	10.0	-	10.8	0.3	9.5	3.1	3	silty CLAY to CLAY	115	1.5	7	7	3	-	-	0.7	2.8	63	0.005	3.07	15
28.38	10.1	9.5	-	10.3	0.2	10.2	2.9	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.6	2.6	64	0.005	3.07	15
28.54	10.5	9.8	-	10.7	0.3	10.6	2.9	3	silty CLAY to CLAY	115	1.5	7	7	3	-	-	0.7	2.7	62	0.005	3.06	15
28.71	9.6	8.9	-	9.8	0.3	10.5	3.7	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.4	70	0.005	3.16	15
28.87	9.2	8.5	-	9.4	0.2	10.6	3.3	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.3	69	0.005	3.15	15
29.04	10.3	9.5	-	10.6	0.2	12.9	2.4	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.7	2.6	60	0.005	3.02	15
29.20	9.9	9.1	-	10.2	0.3	12.8	3.0	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.6	2.5	66	0.005	3.10	15
29.36	9.3	8.5	-	9.6	0.4	13.5	4.9	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.3	77	0.005	3.25	15
29.53	13.0	11.9	-	13.3	0.4	14.9	3.6	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.8	3.4	61	0.005	3.03	15
29.69	13.6	12.4	-	13.9	0.5	13.1	3.9	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.9	3.6	61	0.005	3.04	15
29.86	12.8	11.6	-	13.1	0.4	12.7	3.7	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.8	3.3	62	0.005	3.05	15
30.02	12.2	11.0	-	12.4	0.4	13.0	3.4	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.1	62	0.005	3.05	15
30.19	11.6	10.4	-	11.9	0.3	13.2	3.4	3	silty CLAY to CLAY	115	1.5	7	8	3	-	-	0.7	2.9	63	0.005	3.07	15
30.35	11.2	10.0	-	11.4	0.3	12.9	3.1	3	silty CLAY to CLAY	115	1.5	7	7	3	-	-	0.7	2.8	63	0.005	3.07	15
30.51	10.7	9.5	-	11.0	0.2	13.4	2.7	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.7	2.6	62	0.005	3.05	15
30.68	12.1	10.7	-	12.4	0.3	13.5	2.7	3	silty CLAY to CLAY	115	1.5	7	8	3	-	-	0.8	3.0	58	0.005	3.00	15
30.84	12.3	10.9	-	12.6	0.3	13.7	2.8	3	silty CLAY to CLAY	115	1.5	7	8	3	-	-	0.8	3.1	59	0.005	3.00	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Project ID: Cornerstone Earth Group
Data File: SDF(370).cpt
CPT Date: 11/12/2020 9:44:44 AM
GW During Test: 10 ft

Sounding ID: CPT-01
Project No: 461-16-2
Cone/Rig: DDG1496

Depth ft	qc PS tsf	qc1n PS - *	q1ncs PS -	qt PS tsf *	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60% *	SPT R-N 60%	SPT IcN1 60% *	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR - *	Fin Ic -	D50 - mm *	Ic SBT Indx *	Nk -
31.01	13.1	11.6	-	13.4	0.3	14.8	2.3	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.8	3.3	54	0.005	2.93	15
31.17	13.3	11.6	-	13.6	0.3	15.2	2.6	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.9	3.3	56	0.005	2.96	15
31.33	12.7	11.1	-	13.1	0.4	16.1	3.6	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.1	63	0.005	3.06	15
31.50	14.0	12.2	-	14.4	0.5	17.1	4.1	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.9	3.5	62	0.005	3.05	15
31.66	17.4	15.0	-	17.7	0.7	17.2	4.7	3	silty CLAY to CLAY	115	1.5	10	12	5	-	-	1.1	4.4	59	0.005	3.01	15
31.83	20.9	18.1	-	21.3	0.9	16.7	4.5	3	silty CLAY to CLAY	115	1.5	12	14	6	-	-	1.4	5.4	54	0.005	2.93	15
31.99	21.6	18.5	-	21.9	1.0	17.1	4.9	3	silty CLAY to CLAY	115	1.5	12	14	6	-	-	1.4	5.6	55	0.005	2.94	15
32.15	21.7	18.6	-	22.1	0.9	17.2	4.7	3	silty CLAY to CLAY	115	1.5	12	14	6	-	-	1.5	5.6	54	0.005	2.93	15
32.32	21.9	18.7	-	22.3	0.9	18.1	4.3	3	silty CLAY to CLAY	115	1.5	12	15	6	-	-	1.5	5.6	52	0.005	2.90	15
32.48	20.3	17.3	-	20.7	0.8	18.1	4.4	3	silty CLAY to CLAY	115	1.5	12	14	5	-	-	1.4	5.2	54	0.005	2.94	15
32.65	19.8	16.7	-	20.1	0.8	18.9	4.4	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	5.0	55	0.005	2.95	15
32.81	19.9	16.8	-	20.3	0.8	19.2	4.3	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	5.0	55	0.005	2.95	15
32.97	19.5	16.4	-	19.8	0.8	18.6	4.4	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	4.9	56	0.005	2.96	15
33.14	19.0	15.9	-	19.4	0.8	18.7	4.7	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	4.7	58	0.005	2.99	15
33.30	19.4	16.2	-	19.8	0.8	20.1	4.8	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	4.8	58	0.005	2.99	15
33.47	20.5	17.1	-	20.9	1.0	19.1	5.2	3	silty CLAY to CLAY	115	1.5	11	14	5	-	-	1.4	5.1	58	0.005	2.99	15
33.63	21.4	17.7	-	21.8	1.0	20.5	5.4	3	silty CLAY to CLAY	115	1.5	12	14	6	-	-	1.4	5.3	58	0.005	2.99	15
33.79	23.2	19.1	-	23.5	1.1	18.8	5.4	3	silty CLAY to CLAY	115	1.5	13	15	6	-	-	1.6	5.8	56	0.005	2.96	15
33.96	23.2	19.1	-	23.6	1.1	17.8	5.3	3	silty CLAY to CLAY	115	1.5	13	15	6	-	-	1.6	5.8	56	0.005	2.96	15
34.12	22.4	18.4	-	22.7	1.1	17.5	5.3	3	silty CLAY to CLAY	115	1.5	12	15	6	-	-	1.5	5.5	56	0.005	2.97	15
34.29	21.4	17.5	-	21.7	1.0	17.6	5.3	3	silty CLAY to CLAY	115	1.5	12	14	6	-	-	1.4	5.2	58	0.005	2.99	15
34.45	20.8	16.9	-	21.1	1.0	17.8	5.1	3	silty CLAY to CLAY	115	1.5	11	14	5	-	-	1.4	5.0	58	0.005	2.99	15
34.61	19.6	15.9	-	19.9	0.9	18.2	5.1	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	4.7	59	0.005	3.01	15
34.78	20.1	16.2	-	20.5	0.8	20.9	4.4	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	4.8	56	0.005	2.96	15
34.94	19.5	15.7	-	19.8	0.8	18.5	4.5	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.6	57	0.005	2.98	15
35.11	18.2	14.6	-	18.6	0.7	19.0	4.4	3	silty CLAY to CLAY	115	1.5	10	12	5	-	-	1.2	4.3	59	0.005	3.00	15
35.27	18.9	15.1	-	19.3	0.8	20.9	4.6	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.2	4.5	59	0.005	3.00	15
35.43	20.1	16.0	-	20.5	0.8	19.3	4.7	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	4.7	58	0.005	2.99	15
35.60	19.2	15.2	-	19.5	0.8	17.1	4.9	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.5	60	0.005	3.02	15
35.76	19.6	15.5	-	20.0	0.8	19.1	4.5	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.6	57	0.005	2.98	15
35.93	20.2	16.0	-	20.6	0.8	19.0	4.2	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	4.7	56	0.005	2.96	15
36.09	18.2	14.3	-	18.5	0.8	17.3	4.7	3	silty CLAY to CLAY	115	1.5	10	12	5	-	-	1.2	4.2	60	0.005	3.03	15
36.26	16.7	13.1	-	17.1	0.7	17.8	4.8	3	silty CLAY to CLAY	115	1.5	9	11	4	-	-	1.1	3.8	63	0.005	3.07	15
36.42	17.0	13.3	-	17.4	0.7	18.3	4.7	3	silty CLAY to CLAY	115	1.5	9	11	4	-	-	1.1	3.9	62	0.005	3.06	15
36.58	16.5	12.9	-	16.9	0.7	17.5	5.0	3	silty CLAY to CLAY	115	1.5	9	11	4	-	-	1.1	3.7	64	0.005	3.09	15
36.75	16.7	12.9	-	17.0	0.7	17.6	4.8	3	silty CLAY to CLAY	115	1.5	9	11	4	-	-	1.1	3.7	64	0.005	3.08	15
36.91	16.4	12.7	-	16.7	0.7	17.4	5.1	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.6	66	0.005	3.10	15
37.08	15.9	12.2	-	16.2	0.7	17.2	5.0	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.0	3.5	66	0.005	3.11	15
37.24	15.7	12.1	-	16.0	0.6	17.4	4.7	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.4	65	0.005	3.10	15
37.40	15.1	11.6	-	15.5	0.6	17.5	4.5	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.3	66	0.005	3.10	15
37.57	15.5	11.8	-	15.8	0.6	18.2	4.4	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.4	65	0.005	3.09	15
37.73	15.7	11.9	-	16.0	0.7	17.2	4.9	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.4	66	0.005	3.11	15
37.90	15.5	11.8	-	15.9	0.7	16.7	5.2	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.3	68	0.005	3.13	15
38.06	15.9	12.0	-	16.2	0.7	16.7	4.9	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.0	3.4	66	0.005	3.11	15
38.22	15.4	11.6	-	15.7	0.7	15.9	5.0	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.3	68	0.005	3.13	15
38.39	15.5	11.7	-	15.8	0.6	16.5	4.7	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.3	66	0.005	3.11	15
38.55	16.0	12.0	-	16.3	0.6	16.6	4.4	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.0	3.4	64	0.005	3.08	15
38.72	15.3	11.4	-	15.6	0.5	16.0	4.2	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.2	65	0.005	3.09	15
38.88	15.6	11.6	-	15.9	0.5	17.8	4.0	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.3	64	0.005	3.07	15
39.04	16.5	12.2	-	16.9	0.6	18.5	4.1	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.5	62	0.005	3.06	15
39.21	18.4	13.6	-	18.8	0.7	18.1	4.2	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.9	60	0.005	3.02	15
39.37	20.1	14.8	-	20.5	0.7	19.8	4.1	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.3	57	0.005	2.98	15
39.54	20.7	15.2	-	21.1	0.7	19.6	3.9	3	silty CLAY to CLAY	115	1.5	10	14	5	-	-	1.4	4.5	56	0.005	2.96	15
39.70	19.5	14.3	-	19.8	0.7	18.4	4.0	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.1	58	0.005	2.99	15
39.86	17.5	12.8	-	17.9	0.6	20.2	3.9	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.1	3.7	60	0.005	3.03	15
40.03	16.5	12.0	-	16.9	0.6	20.4	3.9	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.4	62	0.005	3.05	15
40.19	16.8	12.2	-	17.2	0.5	20.9	3.5	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.5	60	0.005	3.02	15
40.36	15.7	11.4	-	16.1	0.5	21.0	3.6	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	1.0	3.2	62	0.005	3.05	15
40.52	14.5	10.5	-	14.9	0.4	20.2	3.2	3	silty CLAY to CLAY	115	1.5	7	10	3	-	-	0.9	2.9	63	0.005	3.06	15
40.68	12.9	9.3	-	13.3	0.3	19.9	2.7	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.8	2.5	64	0.005	3.08	15
40.85	11.6	8.3	-	12.0	0.2	19.4	2.6	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.7	2.2	66	0.005	3.11	15
41.01	10.3	7.4	-	10.7	0.2	20.0	2.6	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.6	1.9	71	0.005	3.17	15
41.18	10.7	7.6	-	11.1	0.2	20.6	2.4	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.7	1.9	69	0.005	3.14	15
41.34	10.8	7.6	-	11.2	0.2	21.1	2.6	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.7	2.0	70	0.005	3.16	15
41.50	11.0	7.8	-	11.4	0.3	21.5	3.3	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.7	2.0	73	0.005	3.20	15
41.67	11.6	8.2	-	12.0	0.3	21.7	3.6	3	silty CLAY to CLAY	115	1.5	5	8	3	-	-	0.7	2.1	73	0.005	3.19	15
41.83	13.5	9.5	-	13.9	0.3	21.8	2.5	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.9	2.6	62	0.005	3.05	15
42.00	12.2	8.6	-	12.6	0.2	19.6	2.3	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.3	63	0.005	3.07	15
42.16	10.7	7.5	-	11.2	0.2	24.5	2.2	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.7	1.9	68	0.005	3.13	15
42.32	10.5	7.3	-	11.0	0.2	25.9	1.9	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.6	1.8	66	0.005	3.11	15
42.49	11.6	8.1	-	12.2	0.2	26.7	2.3	3	silty CLAY to CLAY	115	1.5	5	8	3	-	-	0.7	2.1	65	0.005	3.10	15
42.65	12.9	8.9	-	13.5	0.3	28.2	2.4	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.8	2.4	63	0.005	3.06	15
42.82	13.2	9.1	-	13.8	0.3	28.9	3.0	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.8	2.5	66	0.005	3.11	15
42.98	13.6	9.4	-	14.2	0.3	30.0	3.1	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.9	2.5	65	0.005	3.10	15
43.15	14.0	9.6	-	14.6	0.3	29.5	2.9	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.9	2.6	63	0.005	3.07	15
43.31	13.0	8.9	-	13.6	0.3	30.1	3.1	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.8	2.4	67	0.005	3.13	15
43.47	11.7	8.0	-	12.3	0.3	30.1	3.3	3	silty CLAY to CLAY	115	1.5	5	8	3	-	-	0.7	2.1	72	0.005	3.18	15
43.64	11.2	7.6	-	11.8	0.3	30.2	3.1	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.7	2.0	73	0.005	3.20	15
43.80	10.5	7.1	-	11.1	0.2	31.6	2.8	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.6	1.8	74	0.005	3.21	15
43.97	11.3	7.7	-	12.0	0.2	32.9	2.3	3	silty CLAY to CLAY	115	1.5	5	8	3	-	-	0.7	2.0	67	0.005	3.13	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

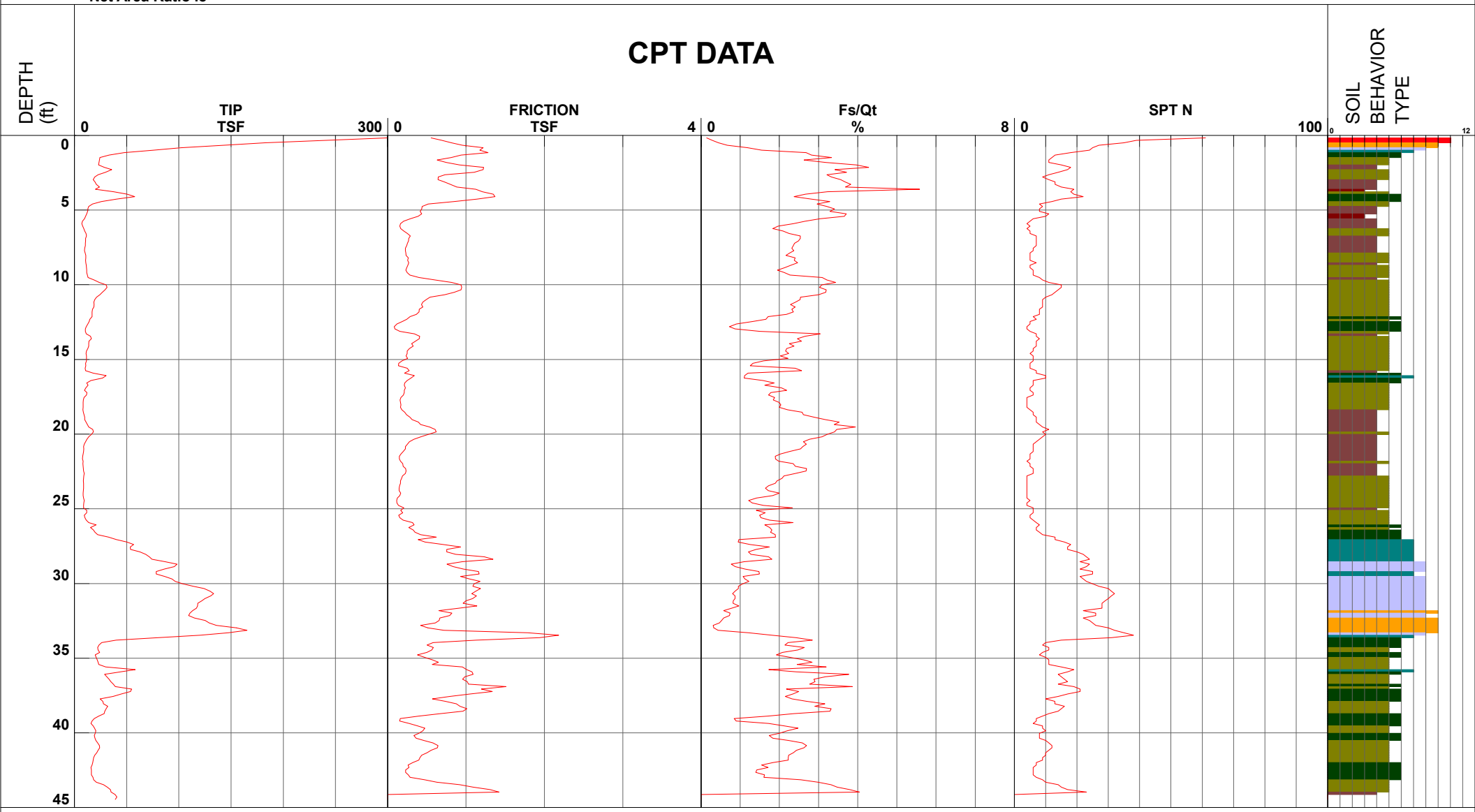
Middle Earth Geo Testing

Cornerstone Earth Group

Project	1355 California Circle	Operator	BH-AJ	Filename	SDF(367).cpt
Job Number	461-16-2	Cone Number	DDG1496	GPS	
Hole Number	CPT-02	Date and Time	11/12/2020 7:32:54 AM	Maximum Depth	44.45 ft
EST GW Depth During Test		0.00 ft			

Net Area Ratio .8

CPT DATA



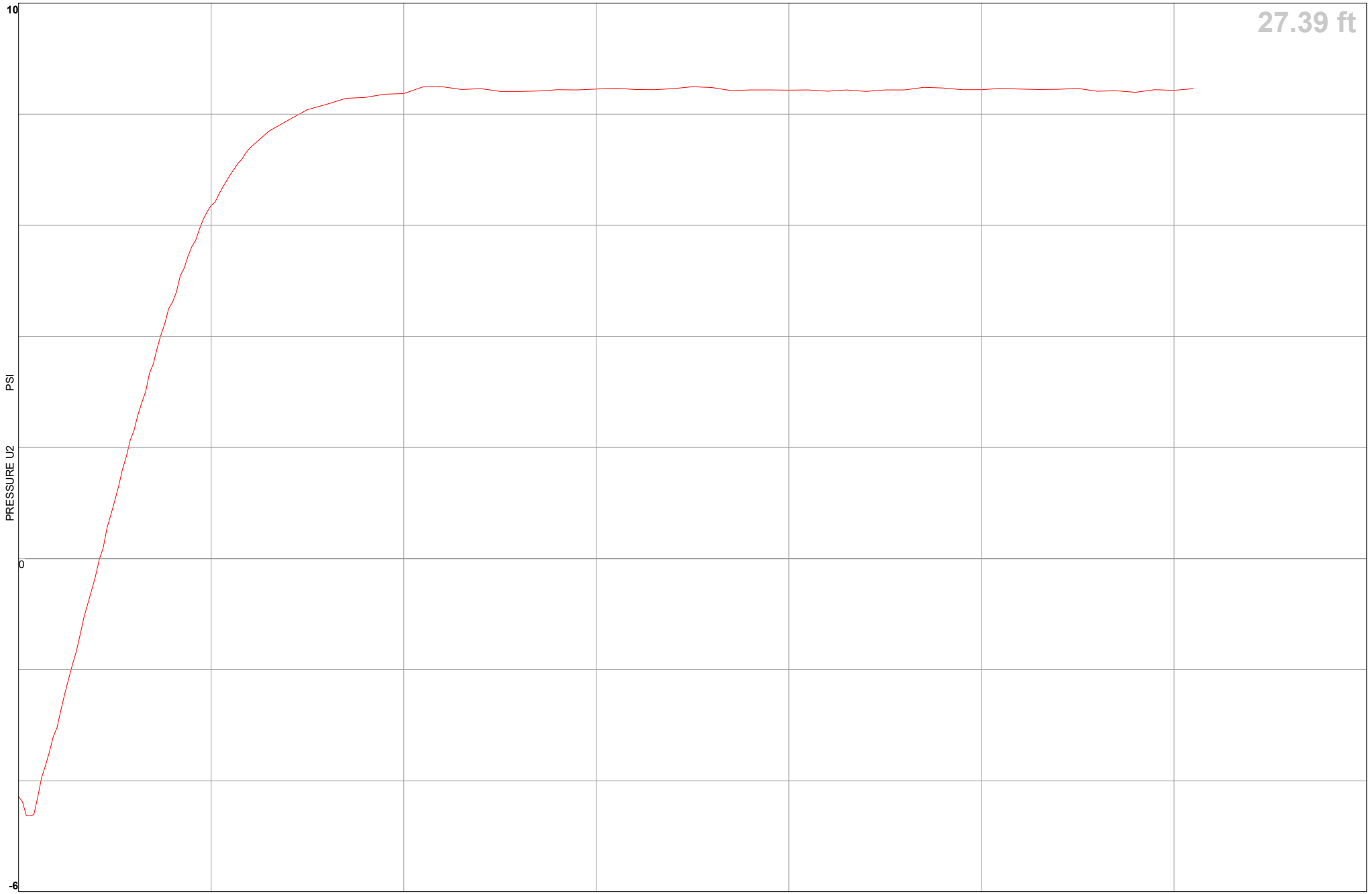
1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

Cornerstone Earth Group

Location	1355 California Circle	Operator	BH-AJ	
Job Number	461-16-2	Cone Number	DDG1496	GPS
Hole Number	CPT-02	Date and Time	11/12/2020 7:32:54 AM	
Equilized Pressure	8.4	EST GW Depth During Test	7.8	



1355 California Circle

Project ID: Cornerstone Earth Group
Data File: SDF(367).cpt
CPT Date: 11/12/2020 7:32:54 AM
GW During Test: 8 ft

Sounding ID: CPT-02
Project No: 461-16-2
Cone/Rig: DDG1496

Depth ft	qc PS tsf	qc1n PS - *	q1ncs PS - *	qt PS tsf *	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60% *	SPT R-N 60%	SPT IcN1 60% *	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm	Ic SBT Indx *	Nk -
0.33	241.2	386.9	386.9	241.3	0.7	1.3	0.3	7	grvly SAND to dense SAND	130	6.0	64	40	57	95	48	-	-	5	1.000	1.11	16
0.49	182.5	292.7	292.7	182.5	0.8	0.5	0.4	7	grvly SAND to dense SAND	130	6.0	49	30	46	95	48	-	-	5	1.000	1.33	16
0.66	143.2	229.6	229.6	143.2	1.0	0.2	0.7	6	clean SAND to silty SAND	125	5.0	46	29	38	94	48	-	-	5	0.350	1.52	16
0.82	102.5	164.4	182.3	102.5	1.2	0.3	1.2	6	clean SAND to silty SAND	125	5.0	33	21	30	83	48	-	-	8	0.350	1.80	16
0.98	75.9	121.8	154.7	75.9	1.2	0.2	1.5	6	clean SAND to silty SAND	125	5.0	24	15	24	74	48	-	-	12	0.350	1.98	16
1.15	47.7	76.5	146.4	47.7	1.3	0.7	2.7	5	silty SAND to sandy SILT	120	3.0	25	16	17	58	48	-	-	22	0.200	2.29	16
1.31	33.2	53.2	126.6	33.2	0.9	1.5	2.8	4	clayy SILT to silty CLAY	115	2.0	27	17	12	-	-	2.3	9.9	27	0.070	2.42	15
1.48	24.3	39.0	121.6	24.2	0.8	-5.6	3.3	4	clayy SILT to silty CLAY	115	2.0	19	12	10	-	-	1.7	9.9	34	0.070	2.57	15
1.64	23.9	38.4	106.7	23.8	0.6	-6.0	2.6	4	clayy SILT to silty CLAY	115	2.0	19	12	9	-	-	1.7	9.9	31	0.070	2.50	15
1.80	23.4	37.6	117.1	23.3	0.7	-6.7	3.2	4	clayy SILT to silty CLAY	115	2.0	19	12	9	-	-	1.6	9.9	34	0.070	2.56	15
1.97	23.1	37.1	-	23.0	0.9	-6.5	4.0	4	clayy SILT to silty CLAY	115	2.0	19	12	10	-	-	1.6	9.9	37	0.070	2.63	15
2.13	28.6	45.8	150.0	28.5	1.2	-6.4	4.3	4	clayy SILT to silty CLAY	115	2.0	23	14	12	-	-	2.0	9.9	35	0.070	2.59	15
2.30	35.6	57.2	145.6	35.5	1.2	-6.3	3.4	4	clayy SILT to silty CLAY	115	2.0	29	18	14	-	-	2.5	9.9	29	0.070	2.45	15
2.46	29.7	47.7	140.9	29.8	1.1	1.3	3.7	4	clayy SILT to silty CLAY	115	2.0	24	15	12	-	-	2.1	9.9	32	0.070	2.54	15
2.62	22.8	36.5	116.5	22.8	0.7	-0.9	3.2	4	clayy SILT to silty CLAY	115	2.0	18	11	9	-	-	1.6	9.9	34	0.070	2.58	15
2.79	19.4	31.1	-	19.4	0.6	-1.9	3.4	4	clayy SILT to silty CLAY	115	2.0	16	10	8	-	-	1.4	9.9	37	0.070	2.64	15
2.95	18.0	28.9	-	18.0	0.6	-2.2	3.6	4	clayy SILT to silty CLAY	115	2.0	14	9	8	-	-	1.3	9.9	40	0.070	2.69	15
3.12	19.6	31.5	-	19.6	0.7	-1.8	3.7	4	clayy SILT to silty CLAY	115	2.0	16	10	8	-	-	1.4	9.9	39	0.070	2.67	15
3.28	20.9	33.5	-	20.9	0.8	-2.2	3.9	4	clayy SILT to silty CLAY	115	2.0	17	10	9	-	-	1.5	9.9	38	0.070	2.66	15
3.45	23.9	38.4	-	23.9	0.9	-2.7	3.7	4	clayy SILT to silty CLAY	115	2.0	19	12	10	-	-	1.7	9.9	36	0.070	2.60	15
3.61	20.2	32.3	-	20.0	1.1	-5.6	5.6	3	silty CLAY to CLAY	115	1.5	22	13	9	-	-	1.4	9.9	45	0.005	2.78	15
3.77	37.3	59.9	144.4	37.2	1.2	-5.7	3.3	4	clayy SILT to silty CLAY	115	2.0	30	19	14	-	-	2.6	9.9	27	0.070	2.42	15
3.94	50.5	81.0	150.7	50.4	1.3	-5.7	2.7	5	silty SAND to sandy SILT	120	3.0	27	17	18	60	44	-	-	21	0.200	2.27	16
4.10	57.8	92.6	153.2	57.6	1.4	-5.7	2.4	5	silty SAND to sandy SILT	120	3.0	31	19	20	64	45	-	-	19	0.200	2.19	16
4.27	40.5	65.0	139.2	40.4	1.1	-4.1	2.8	5	silty SAND to sandy SILT	120	3.0	22	14	15	53	43	-	-	25	0.200	2.36	16
4.43	25.7	41.3	124.5	25.6	0.8	-6.2	3.3	4	clayy SILT to silty CLAY	115	2.0	21	13	10	-	-	1.8	9.9	33	0.070	2.55	15
4.59	17.4	28.0	-	17.3	0.5	-6.5	3.0	4	clayy SILT to silty CLAY	115	2.0	14	9	7	-	-	1.2	9.9	38	0.070	2.65	15
4.76	13.7	22.0	-	13.6	0.4	-6.3	3.3	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	0.9	9.9	43	0.070	2.75	15
4.92	12.7	20.4	-	12.6	0.4	-6.2	3.5	4	clayy SILT to silty CLAY	115	2.0	10	6	6	-	-	0.9	9.9	46	0.070	2.80	15
5.09	12.6	20.2	-	12.5	0.4	-3.8	3.4	4	clayy SILT to silty CLAY	115	2.0	10	6	6	-	-	0.9	9.9	45	0.070	2.79	15
5.25	11.7	18.8	-	11.7	0.4	-3.8	3.8	3	silty CLAY to CLAY	115	1.5	13	8	5	-	-	0.8	9.9	49	0.005	2.85	15
5.41	10.6	17.0	-	10.5	0.4	-3.6	3.8	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	9.9	51	0.005	2.88	15
5.58	9.5	15.3	-	9.4	0.3	-3.8	3.1	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	9.2	50	0.005	2.87	15
5.74	7.6	12.2	-	7.6	0.2	-3.5	2.8	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	7.1	53	0.005	2.92	15
5.91	6.9	11.1	-	6.9	0.2	-3.1	2.5	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	6.3	54	0.005	2.93	15
6.07	7.8	12.6	-	7.8	0.2	-2.8	2.1	4	clayy SILT to silty CLAY	115	2.0	6	4	4	-	-	0.5	6.9	48	0.070	2.84	15
6.23	9.0	14.4	-	8.9	0.2	-2.6	1.9	4	clayy SILT to silty CLAY	115	2.0	7	4	4	-	-	0.6	7.8	44	0.070	2.77	15
6.40	9.7	15.6	-	9.7	0.2	-2.2	2.2	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	8.2	44	0.070	2.77	15
6.56	11.2	17.9	-	11.2	0.3	-1.8	2.3	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	9.3	43	0.070	2.74	15
6.73	11.4	18.2	-	11.3	0.3	-1.7	2.6	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	9.2	44	0.070	2.76	15
6.89	10.7	17.1	-	10.6	0.3	-1.7	2.6	4	clayy SILT to silty CLAY	115	2.0	9	5	5	-	-	0.7	8.4	45	0.070	2.79	15
7.05	10.7	17.1	-	10.6	0.3	-1.6	2.6	4	clayy SILT to silty CLAY	115	2.0	9	5	5	-	-	0.7	8.2	45	0.070	2.78	15
7.22	10.5	16.9	-	10.5	0.3	-1.6	2.5	4	clayy SILT to silty CLAY	115	2.0	8	5	5	-	-	0.7	7.9	45	0.070	2.78	15
7.38	10.4	16.6	-	10.3	0.2	-1.6	2.5	4	clayy SILT to silty CLAY	115	2.0	8	5	5	-	-	0.7	7.6	45	0.070	2.78	15
7.55	9.7	15.6	-	9.7	0.2	-1.6	2.4	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	7.0	46	0.070	2.80	15
7.71	9.6	15.4	-	9.5	0.2	-1.4	2.5	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.6	6.7	47	0.070	2.81	15
7.87	10.3	16.4	-	10.2	0.2	-1.4	2.4	4	clayy SILT to silty CLAY	115	2.0	8	5	5	-	-	0.7	7.0	45	0.070	2.78	15
8.04	10.8	17.3	-	10.8	0.2	-1.2	2.3	4	clayy SILT to silty CLAY	115	2.0	9	5	5	-	-	0.7	7.3	43	0.070	2.75	15
8.20	10.9	17.4	-	10.9	0.3	-1.1	2.5	4	clayy SILT to silty CLAY	115	2.0	9	5	5	-	-	0.7	7.3	44	0.070	2.77	15
8.37	10.7	17.2	-	10.7	0.3	-1.0	2.5	4	clayy SILT to silty CLAY	115	2.0	9	5	5	-	-	0.7	7.1	45	0.070	2.78	15
8.53	10.8	17.4	-	10.8	0.3	-0.9	2.6	4	clayy SILT to silty CLAY	115	2.0	9	5	5	-	-	0.7	7.1	45	0.070	2.78	15
8.69	11.2	18.0	-	11.2	0.3	-0.8	2.4	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	7.3	43	0.070	2.75	15
8.86	11.4	18.3	-	11.4	0.2	-0.7	2.2	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	7.4	42	0.070	2.73	15
9.02	11.8	18.9	-	11.8	0.2	-0.6	2.0	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	7.6	40	0.070	2.69	15
9.19	11.7	18.7	-	11.6	0.2	-0.4	2.2	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	7.4	41	0.070	2.72	15
9.35	12.4	19.9	-	12.4	0.3	-0.2	2.4	4	clayy SILT to silty CLAY	115	2.0	10	6	5	-	-	0.8	7.8	41	0.070	2.71	15
9.51	12.9	20.8	-	12.9	0.4	-0.1	3.2	4	clayy SILT to silty CLAY	115	2.0	10	6	6	-	-	0.9	8.1	45	0.070	2.78	15
9.68	18.8	30.2	-	18.9	0.6	0.7	3.3	4	clayy SILT to silty CLAY	115	2.0	15	9	8	-	-	1.3	9.9	38	0.070	2.65	15
9.84	23.8	37.3	-	23.8	0.8	1.0	3.5	4	clayy SILT to silty CLAY	115	2.0	19	12	10	-	-	1.6	9.9	35	0.070	2.60	15
10.01	30.4	41.1	121.2	30.4	0.9	1.1	3.1	4	clayy SILT to silty CLAY	115	2.0	21	15	10	-	-	2.1	9.9	32	0.070	2.53	15
10.17	31.2	42.0	121.2	31.2	0.9	0.6	3.1	4	clayy SILT to silty CLAY	115	2.0	21	16	10	-	-	2.2	9.9	32	0.070	2.52	15
10.34	29.3	39.2	121.5	29.3	0.9	0.6	3.3	4	clayy SILT to silty CLAY	115	2.0	20	15	10	-	-	2.0	9.9	34	0.070	2.56	15
10.50	26.7	35.6	116.9	26.7	0.9	0.4	3.3	4	clayy SILT to silty CLAY	115	2.0	18	13	9	-	-	1.8	9.9	35	0.070	2.59	15
10.66	24.3	37.0	115.4	24.3	0.7	0.6	3.1	4	clayy SILT to silty CLAY	115	2.0	19	12	9	-	-	1.7	9.9	34	0.070	2.56	15
10.83	21.2	32.2	100.6	21.3	0.5	0.8	2.6	4	clayy SILT to silty CLAY	115	2.0	16	11	8	-	-	1.5	9.9	34	0.070	2.57	15
10.99	19.5	29.3	97.3	19.5	0.5	1.3	2.6	4	clayy SILT to silty CLAY	115	2.0	15	10	7	-	-	1.3	9.9	35	0.070	2.60	15
11.16	18.6	27.9	-	18.6	0.4	1.9	2.5	4	clayy SILT to silty CLAY	115	2.0	14	9	7	-	-	1.3	9.9	36	0.070	2.60	15
11.32	18.9	28.1	91.2	18.9	0.4	1.9	2.4	4	clayy SILT to silty CLAY	115	2.0	14	9	7	-	-	1.3	9.9	35	0.070	2.59	15
11.48	18.6	27.6	-	18.6	0.4	1.8	2.5	4	clayy SILT to silty CLAY	115	2.0	14	9	7	-	-	1.3	9.9	36	0.070	2.61	15
11.65	17.4	25.6	-	17.4	0.4	2.3	2.4	4	clayy SILT to silty CLAY	115	2.0	13	9	7	-	-	1.2	9.8	37	0.070	2.62	15
11.81	16.9	27.2	-	17.0	0.4	2.3	2.5	4	clayy SILT to silty CLAY	115	2.0	14	8	7	-	-	1.2	9.5	36	0.070	2.61	15
11.98	16.8	24.5	-	16.8	0.4	2.5	2.3	4	clayy SILT to silty CLAY	115	2.0	12	8	6	-	-	1.1	9.3	37	0.070	2.63	15
12.14	16.7	24.3	76.1	16.8	0.3	3.2	1.8	4	clayy SILT to silty CLAY	115	2.0	12	8	6	-	-	1.1	9.2	34	0.070	2.57	15
12.30	14.7	21.2	-	14.7	0.2	3.5	1.7	4	clayy SILT to silty CLAY	115	2.0	11	7	5	-	-	1.0	8.0	36	0.070	2.61	15
12.47	14.1	20.2	64.4	14.1	0.2	3.9	1.4	4	clayy SILT to silty CLAY	115	2.0	10	7	5	-	-	1.0	7.6	34	0.070	2.58	15
12.63	12.9	16.3	52.3	12.9	0.1	3.8	1.0	4	clayy SILT to silty CLAY	115	2.0	8	6	4	-	-	0.9	6.8	34	0.070	2.58	15
12.80	11.3	14.3	47.1	11.4	0.1	3.8	0.8	4	clayy SILT to silty CLAY	115	2.0	7	6	4	-	-	0.8	5.9	35	0.070	2.60	15
12.96	10.4	14.7	-	10.5	0.1	4.4	0.9	4	clayy SILT to silty CLAY	115	2.0	7	5	4	-	-	0.7	5.3	37	0.070	2.62	15
13.12	10.3	16.6	-	10.5	0.2	6.0	1.6	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	5.3	40	0.070	2.69	15
13.29	11.2	18.0	-	11.4	0.3	8.8	3.3	3	silty CLAY to CLAY	115	1.5	12	7	5	-	-	0.7	5.7	48	0.005	2.84	15
13.45	15.4	24.6	-	15.6	0.4	11.7	2.8	4	clayy SILT to silty CLAY	115	2.0	12	8	7	-	-	1.0	7.9	39	0.070	2.68	15
13.62	16.3	26.2	-	16.5	0.4	9.4	2.6	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.1	8.4	37	0.070	2.64	15
13.78	13.9	22.2	-	14.0	0.4	7.8	2.7	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	0.9	7.0	41	0.070	2.71	15
13.94	13.6	21.7	-	13.7	0.3	8.0	2.4	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	0.9	6.8	40	0.070	2.69	15
14.11	13.7	21.9	-	13.8	0.3	8.3	2.5	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	0.9	6.8	40	0.070	2.70	15
14.27	12.7	20.2	-	12.9	0.3	8.7	2.3	4	clayy SILT to silty CLAY	115	2.0	10	6	5	-	-	0.9	6.2	41	0.070	2.71	15
14.44	11.5	18.2	-	11.7	0.2	9.0	2.3	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.6	43	0.070	2.75	15
14.60	11.1	17.4	-	11.3	0.2	9.6	2.4	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.7	5.3	45	0.070	2.77	15
14.76	11.5	17.9	-	11.7	0.2	10.0	2.2	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.5	43	0.070	2.74	15
14.93	11.5	17.7	-	11.7	0.3	10.3	2.4	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.4	44	0.070	2.77	15
15.09	11.4	17.6	-	11.6	0.2	10.5	1.7	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.3	40	0.070	2.69	15
15.26	10.6	16.2	-	10.8	0.1	10.6	1.4	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	4.9	39	0.070	2.68	15
15.42	10.9	16.6	-	11.2	0.1	12.2	1.4	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	5.0	38	0.070	2.66	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Middle Earth Geo Testing

Depth ft	qc PS tsf	qc1n PS -	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60%	SPT R-N 60%	SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR - -	Fin Ic %	D50 - mm	Ic SBT Indx	Nk -
15.58	10.3	15.5	-	10.6	0.2	13.9	2.6	4	clayy SILT to silty CLAY	115	2.0	8	5	5	-	-	0.7	4.7	48	0.070	2.84	15
15.75	10.7	16.0	-	11.1	0.3	18.7	2.8	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	4.8	49	0.005	2.84	15
15.91	17.8	21.1	62.9	18.3	0.2	21.4	1.3	5	silty SAND to sandy SILT	120	3.0	7	6	5	16	33	-	-	32	0.200	2.54	16
16.08	30.4	35.9	71.7	30.5	0.3	4.0	1.1	5	silty SAND to sandy SILT	120	3.0	12	10	8	33	36	-	-	23	0.200	2.31	16
16.24	26.9	31.6	68.3	26.9	0.3	-1.0	1.1	5	silty SAND to sandy SILT	120	3.0	11	9	7	29	35	-	-	25	0.200	2.36	16
16.40	15.8	20.2	-	15.8	0.2	-0.9	1.7	4	clayy SILT to silty CLAY	115	2.0	10	8	5	-	-	1.1	7.1	37	0.070	2.63	15
16.57	11.7	16.9	-	11.8	0.2	6.9	2.0	4	clayy SILT to silty CLAY	115	2.0	8	6	5	-	-	0.8	5.1	43	0.070	2.74	15
16.73	13.1	18.8	-	13.4	0.2	13.2	1.8	4	clayy SILT to silty CLAY	115	2.0	9	7	5	-	-	0.9	5.8	39	0.070	2.67	15
16.90	11.0	15.7	-	11.3	0.2	16.2	2.3	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	4.7	46	0.070	2.80	15
17.06	9.7	13.7	-	10.1	0.2	24.3	2.4	4	clayy SILT to silty CLAY	115	2.0	7	5	4	-	-	0.6	4.1	50	0.070	2.87	15
17.23	11.9	16.8	-	12.2	0.2	16.8	1.9	4	clayy SILT to silty CLAY	115	2.0	8	6	5	-	-	0.8	5.1	42	0.070	2.74	15
17.39	11.6	16.3	-	11.9	0.2	15.3	1.9	4	clayy SILT to silty CLAY	115	2.0	8	6	4	-	-	0.8	4.9	43	0.070	2.74	15
17.55	9.1	12.6	-	9.4	0.2	18.2	2.1	4	clayy SILT to silty CLAY	115	2.0	6	5	4	-	-	0.6	3.7	50	0.070	2.87	15
17.72	8.5	11.8	-	9.0	0.2	24.3	2.1	4	clayy SILT to silty CLAY	115	2.0	6	4	4	-	-	0.6	3.4	52	0.070	2.90	15
17.88	8.2	11.4	-	8.7	0.2	26.3	2.3	3	silty CLAY to CLAY	115	1.5	8	5	3	-	-	0.5	3.3	54	0.005	2.93	15
18.05	8.2	11.3	-	8.8	0.2	27.7	2.3	3	silty CLAY to CLAY	115	1.5	8	5	3	-	-	0.5	3.2	55	0.005	2.94	15
18.21	8.2	11.2	-	8.7	0.2	28.1	2.3	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	3.2	55	0.005	2.94	15
18.37	8.1	11.0	-	8.7	0.2	29.6	2.5	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	3.1	57	0.005	2.97	15
18.54	8.4	11.4	-	9.0	0.2	30.5	3.0	3	silty CLAY to CLAY	115	1.5	8	6	4	-	-	0.5	3.3	58	0.005	3.00	15
18.70	9.2	12.3	-	9.9	0.2	35.3	3.0	3	silty CLAY to CLAY	115	1.5	8	6	4	-	-	0.6	3.6	56	0.005	2.97	15
18.87	9.8	13.0	-	10.3	0.3	28.6	3.2	3	silty CLAY to CLAY	115	1.5	9	7	4	-	-	0.6	3.8	56	0.005	2.96	15
19.03	9.8	13.0	-	10.3	0.3	25.3	3.6	3	silty CLAY to CLAY	115	1.5	9	7	4	-	-	0.6	3.8	58	0.005	2.99	15
19.19	11.1	14.6	-	11.6	0.4	25.2	3.9	3	silty CLAY to CLAY	115	1.5	10	7	5	-	-	0.7	4.3	57	0.005	2.97	15
19.36	12.3	16.2	-	12.8	0.4	25.6	3.7	3	silty CLAY to CLAY	115	1.5	11	8	5	-	-	0.8	4.8	53	0.005	2.92	15
19.52	13.5	17.6	-	14.0	0.5	22.6	4.3	3	silty CLAY to CLAY	115	1.5	12	9	5	-	-	0.9	5.3	54	0.005	2.92	15
19.69	17.5	22.6	-	18.0	0.6	25.5	3.7	3	silty CLAY to CLAY	115	1.5	15	12	6	-	-	1.2	7.0	46	0.005	2.79	15
19.85	18.1	23.3	-	18.4	0.6	13.5	3.6	4	clayy SILT to silty CLAY	115	2.0	12	9	7	-	-	1.2	7.2	45	0.070	2.78	15
20.01	16.1	20.6	-	16.3	0.5	7.7	3.5	3	silty CLAY to CLAY	115	1.5	14	11	6	-	-	1.1	6.3	46	0.005	2.81	15
20.18	13.7	17.4	-	13.8	0.4	5.5	3.4	3	silty CLAY to CLAY	115	1.5	12	9	5	-	-	0.9	5.3	50	0.005	2.86	15
20.34	12.1	15.3	-	12.2	0.3	5.1	3.1	3	silty CLAY to CLAY	115	1.5	10	8	5	-	-	0.8	4.5	51	0.005	2.89	15
20.51	10.6	13.3	-	10.7	0.3	4.9	2.9	3	silty CLAY to CLAY	115	1.5	9	7	4	-	-	0.7	3.9	54	0.005	2.93	15
20.67	9.4	11.7	-	9.5	0.3	5.5	3.1	3	silty CLAY to CLAY	115	1.5	8	6	4	-	-	0.6	3.4	58	0.005	2.99	15
20.83	8.7	10.8	-	8.8	0.2	5.9	3.0	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	3.1	60	0.005	3.02	15
21.00	8.9	11.1	-	9.1	0.2	6.9	2.9	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	3.1	59	0.005	3.01	15
21.16	8.7	10.8	-	8.9	0.2	7.3	2.6	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	3.1	58	0.005	2.99	15
21.33	8.4	10.3	-	8.5	0.2	8.2	2.4	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.5	2.9	58	0.005	2.99	15
21.49	7.8	9.5	-	8.0	0.1	9.1	2.3	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.6	59	0.005	3.01	15
21.65	7.7	9.4	-	7.9	0.1	10.2	2.3	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.6	60	0.005	3.02	15
21.82	8.2	9.9	-	8.4	0.2	11.5	2.3	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	2.8	59	0.005	3.00	15
21.98	8.1	9.7	-	8.5	0.2	20.4	2.8	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.7	62	0.005	3.05	15
22.15	8.2	9.8	-	8.6	0.2	22.1	2.9	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	2.7	62	0.005	3.06	15
22.31	8.5	10.1	-	8.9	0.2	23.5	3.2	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.5	2.8	63	0.005	3.07	15
22.47	8.7	10.3	-	9.2	0.2	24.4	3.2	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	2.9	62	0.005	3.06	15
22.64	9.4	11.1	-	9.9	0.2	23.0	2.8	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	3.1	58	0.005	3.00	15
22.80	8.9	10.4	-	9.3	0.2	20.9	2.5	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	2.9	58	0.005	2.99	15
22.97	8.6	10.0	-	9.0	0.2	21.7	2.4	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.5	2.8	59	0.005	3.01	15
23.13	8.4	9.8	-	8.9	0.2	23.5	2.3	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.5	2.7	59	0.005	3.01	15
23.30	8.6	10.0	-	9.1	0.2	25.3	2.2	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.5	2.8	58	0.005	2.99	15
23.46	8.7	10.0	-	9.3	0.2	26.6	2.0	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	2.8	56	0.005	2.97	15
23.62	8.9	10.1	-	9.4	0.1	28.0	1.9	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	2.8	55	0.005	2.95	15
23.79	8.5	9.7	-	9.1	0.1	28.4	2.0	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.7	57	0.005	2.98	15
23.95	8.3	9.4	-	8.8	0.2	29.2	2.4	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.6	61	0.005	3.03	15
24.12	8.4	9.4	-	9.0	0.2	30.3	2.2	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.6	59	0.005	3.01	15
24.28	8.7	9.8	-	9.3	0.1	31.1	1.7	4	clayy SILT to silty CLAY	115	2.0	5	4	3	-	-	0.6	2.7	54	0.070	2.94	15
24.44	9.5	10.6	-	10.1	0.1	30.6	1.4	4	clayy SILT to silty CLAY	115	2.0	5	5	3	-	-	0.6	3.0	50	0.070	2.87	15
24.61	9.0	9.9	-	9.5	0.1	28.6	1.6	4	clayy SILT to silty CLAY	115	2.0	5	4	3	-	-	0.6	2.8	53	0.070	2.91	15
24.77	8.6	9.5	-	9.2	0.1	30.6	1.9	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.6	57	0.005	2.98	15
24.94	8.8	9.7	-	9.5	0.2	33.5	2.8	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.7	62	0.005	3.05	15
25.10	11.8	12.9	-	12.5	0.2	35.7	1.6	4	clayy SILT to silty CLAY	115	2.0	6	6	4	-	-	0.8	3.7	46	0.070	2.81	15
25.26	11.8	12.8	-	12.2	0.2	19.9	1.9	4	clayy SILT to silty CLAY	115	2.0	6	6	4	-	-	0.8	3.7	49	0.070	2.84	15
25.43	9.4	10.2	-	9.7	0.1	16.0	1.8	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	2.8	54	0.005	2.93	15
25.59	10.0	10.8	-	10.4	0.2	22.3	1.8	4	clayy SILT to silty CLAY	115	2.0	5	5	3	-	-	0.6	3.0	53	0.070	2.91	15
25.76	11.3	12.1	-	11.7	0.2	23.6	2.0	4	clayy SILT to silty CLAY	115	2.0	6	6	4	-	-	0.7	3.5	51	0.070	2.89	15
25.92	13.6	14.5	-	14.1	0.3	27.3	2.6	3	silty CLAY to CLAY	115	1.5	10	9	4	-	-	0.9	4.3	50	0.005	2.87	15
26.08	20.8	22.1	-	21.0	0.3	12.5	1.8	4	clayy SILT to silty CLAY	115	2.0	11	10	6	-	-	1.4	6.8	36	0.070	2.61	15
26.25	15.4	16.2	-	15.5	0.3	5.2	1.9	4	clayy SILT to silty CLAY	115	2.0	8	8	4	-	-	1.0	4.8	43	0.070	2.75	15
26.41	18.1	19.1	-	18.3	0.3	9.5	2.0	4	clayy SILT to silty CLAY	115	2.0	10	9	5	-	-	1.2	5.8	40	0.070	2.69	15
26.58	19.7	20.7	-	19.9	0.3	8.4	1.9	4	clayy SILT to silty CLAY	115	2.0	10	10	5	-	-	1.3	6.3	38	0.070	2.66	15
26.74	22.1	23.1	-	22.3	0.4	8.7	2.0	4	clayy SILT to silty CLAY	115	2.0	12	11	6	-	-	1.5	7.1	37	0.070	2.63	15
26.90	32.6	32.3	89.1	32.8	0.6	6.7	2.0	5	silty SAND to sandy SILT	120	3.0	11	11	8	30	34	-	-	31	0.200	2.50	16
27.07	40.3	39.8	71.3	40.3	0.4	0.7	1.0	5	silty SAND to sandy SILT	120	3.0	13	13	9	37	35	-	-	21	0.200	2.25	16
27.23	50.3	49.6	78.0	50.3	0.5	-2.1	1.0	5	silty SAND to sandy SILT	120	3.0	17	17	10	44	37	-	-	18	0.200	2.16	16
27.40	56.7	55.7	91.0	56.6	0.7	-4.3	1.3	5	silty SAND to sandy SILT	120	3.0	19	19	12	48	37	-	-	19	0.200	2.19	16
27.56	53.5	52.5	101.9	53.5	0.9	-0.3	1.8	5	silty SAND to sandy SILT	120	3.0	17	18	12	46	37	-	-	22	0.200	2.30	16
27.72	53.6	52.5	92.8	53.5	0.8	-4.7	1.4	5	silty SAND to sandy SILT	120	3.0	17	18	11	46	37	-	-	20	0.200	2.24	16
27.89	62.6	61.1	94.1	62.4	0.8	-5.9	1.2	5	silty SAND to sandy SILT	120	3.0	20	21	13	51	38	-	-	17	0.200	2.14	16
28.05	68.1	66.3	100.2	68.0	0.9	-6.7	1.3	5	silty SAND to sandy SILT	120	3.0	22	23	14	53	38	-	-	17	0.200	2.13	16
28.22	71.6	69.5	115.5	71.4	1.2	-7.0	1.8	5	silty SAND to sandy SILT	120	3.0	23	24	15	55	39	-	-	19	0.200	2.20	16
28.38	74.3	72.0	120.1	74.2	1.3	-7.3	1.8	5	silty SAND to sandy SILT	120	3.0	24	25	15	56	39	-	-	19	0.200	2.20	16
28.54	86.9	84.0	109.8	86.8	1.0	-4.4	1.1	6	clean SAND to silty SAND	125	5.0	17	17	17	61	40	-	-	13	0.350	2.01	16
28.71	98.2	94.7	110.0	98.1	0.8	-6.3	0.8	6	clean SAND to silty SAND	125	5.0	19	20	18	65	40	-	-	10	0.350	1.87	16
28.87	95.6	92.0	110.5	95.5	0.8	-6.1	0.9	6	clean SAND to silty SAND	125	5.0	18	19	17	64	40	-	-	11	0.350	1.91	16
29.04	86.0	82.5	109.5	85.9	1.0	-6.5	1.1	6	clean SAND to silty SAND	125	5.0	17	17	16	61	40	-	-	13	0.350	2.02	16
29.20	78.4	75.0	113.3	78.2	1.2	-7.9	1.5	5	silty SAND to sandy SILT	120	3.0	25	26	16	58	39	-	-	17	0.200	2.13	16
29.36	78.4	74.9	113.4	78.3	1.2	-8.6	1.5	5	silty SAND to sandy SILT	120	3.0	25	26	15	57	39	-	-	17	0.200	2.13	16
29.53	86.5	82.4	108.0	86.3	0.9	-9.0	1.1	6	clean SAND to silty SAND	125	5.0	16	17	16	61	40	-	-	13	0.350	2.01	16
29.69	93.2	88.5	114.3	93.0	1.0	-9.2	1.1	6	clean SAND to silty SAND	125	5.0	18	19	17	63	40	-	-	13	0.350	1.99	16
29.86	96.5	91.5	119.8	96.3	1.2	-9.5	1.2	6	clean SAND to silty SAND	125	5.0	18	19	18	64	40	-	-	13	0.350	2.01	16
30.02	103.7	98.1	121.0	103.5	1.1	-10.0	1.1	6	clean SAND to silty SAND	125	5.0	20	21	19	66	40	-	-	11	0.350	1.94	16
30.19	113.8	107.4	126.0	113.6	1.1	-10.1	1.0	6	clean SAND to silty SAND	125	5.0	21	23	20	69	41	-	-	10	0.350	1.88	16
30.35	124.2	116.8	134.2	124.0	1.2	-10.1	1.0	6	clean SAND to silty SAND	125	5.0	23	25	22	72	41	-	-	9	0.350	1.85	16
30.51	130.0	122.0	136.1	129.8	1.1	-10.1	0.9	6	clean SAND to silty SAND	125	5.0	24	26	22	74	42	-	-	8	0.350	1.81	16
30.68	133.2	124.8	136.7	133.0	1.1	-10.4	0.8	6	clean SAND to silty SAND	125	5.0	25	27	23	74	42	-	-	8	0.350	1.78	16
30.84	130.5	121.9	136.1	130.3	1.1	-10.4	0.9	6	clean SAND to silty SAND	125	5.0	24	26	22	74	42	-	-	8	0.350	1.81	16

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Project ID: Cornerstone Earth Group
Data File: SDF(367).cpt
CPT Date: 11/12/2020 7:32:54 AM
GW During Test: 8 ft

Depth ft	qc PS tsf	qc1n PS -	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60%	SPT R-N 60%	SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR - -	Fin Ic %	D50 - mm	Ic SBT Indx	Nk -
31.01	124.8	116.4	131.4	124.6	1.1	-10.3	0.9	6	clean SAND to silty SAND	125	5.0	23	25	21	72	41	-	-	9	0.350	1.83	16
31.17	121.9	113.4	127.4	121.7	1.0	-10.3	0.8	6	clean SAND to silty SAND	125	5.0	23	24	21	71	41	-	-	9	0.350	1.82	16
31.33	118.0	109.5	123.9	117.8	1.0	-10.4	0.8	6	clean SAND to silty SAND	125	5.0	22	24	20	70	41	-	-	9	0.350	1.83	16
31.50	118.0	109.2	127.9	117.8	1.1	-10.4	1.0	6	clean SAND to silty SAND	125	5.0	22	24	21	70	41	-	-	10	0.350	1.88	16
31.66	116.8	107.8	121.5	116.5	0.9	-10.4	0.8	6	clean SAND to silty SAND	125	5.0	22	23	20	69	41	-	-	9	0.350	1.83	16
31.83	113.3	104.4	112.7	113.1	0.7	-8.2	0.6	6	clean SAND to silty SAND	125	5.0	21	23	19	68	41	-	-	7	0.350	1.76	16
31.99	110.6	101.7	115.2	110.4	0.8	-10.0	0.8	6	clean SAND to silty SAND	125	5.0	20	22	19	68	40	-	-	9	0.350	1.83	16
32.15	109.4	100.3	113.5	109.2	0.8	-10.0	0.7	6	clean SAND to silty SAND	125	5.0	20	22	19	67	40	-	-	9	0.350	1.83	16
32.32	115.0	105.2	113.4	114.8	0.7	-10.0	0.6	6	clean SAND to silty SAND	125	5.0	21	23	19	69	41	-	-	7	0.350	1.76	16
32.48	125.2	114.3	119.0	125.0	0.7	-10.0	0.5	6	clean SAND to silty SAND	125	5.0	23	25	20	71	41	-	-	6	0.350	1.70	16
32.65	129.1	117.6	119.5	128.9	0.6	-10.1	0.5	6	clean SAND to silty SAND	125	5.0	24	26	20	72	41	-	-	6	0.350	1.67	16
32.81	135.9	123.5	123.5	135.7	0.4	-10.1	0.3	6	clean SAND to silty SAND	125	5.0	25	27	21	74	41	-	-	5	0.350	1.56	16
32.97	155.2	140.7	140.7	155.0	0.5	-10.2	0.3	6	clean SAND to silty SAND	125	5.0	28	31	23	78	42	-	-	5	0.350	1.52	16
33.14	165.1	149.4	149.4	164.9	0.7	-10.2	0.4	6	clean SAND to silty SAND	125	5.0	30	33	25	80	42	-	-	5	0.350	1.56	16
33.30	147.5	133.2	156.0	147.3	1.8	-9.8	1.2	6	clean SAND to silty SAND	125	5.0	27	30	25	76	42	-	-	10	0.350	1.88	16
33.47	120.5	108.5	152.2	120.3	2.2	-7.1	1.8	5	silty SAND to sandy SILT	120	3.0	36	40	22	70	41	-	-	15	0.200	2.07	16
33.63	79.9	71.8	138.0	79.9	1.9	0.9	2.5	5	silty SAND to sandy SILT	120	3.0	24	27	16	56	38	-	-	22	0.200	2.29	16
33.79	39.9	35.8	113.9	40.0	1.1	5.6	3.0	4	clayy SILT to silty CLAY	115	2.0	18	20	9	-	-	2.7	9.9	34	0.070	2.58	15
33.96	26.1	22.2	-	26.3	0.6	7.3	2.4	4	clayy SILT to silty CLAY	115	2.0	11	13	6	-	-	1.8	6.8	40	0.070	2.69	15
34.12	23.4	19.8	-	23.6	0.5	7.1	2.3	4	clayy SILT to silty CLAY	115	2.0	10	12	5	-	-	1.6	6.0	42	0.070	2.72	15
34.29	22.1	18.7	-	22.3	0.6	7.0	2.9	4	clayy SILT to silty CLAY	115	2.0	9	11	5	-	-	1.5	5.6	46	0.070	2.80	15
34.45	22.7	19.1	-	22.9	0.6	8.9	2.7	4	clayy SILT to silty CLAY	115	2.0	10	11	5	-	-	1.5	5.7	45	0.070	2.78	15
34.61	24.1	20.2	-	24.2	0.5	6.2	2.3	4	clayy SILT to silty CLAY	115	2.0	10	12	5	-	-	1.6	6.1	41	0.070	2.71	15
34.78	19.8	16.5	-	19.9	0.4	4.7	2.1	4	clayy SILT to silty CLAY	115	2.0	8	10	5	-	-	1.3	4.9	45	0.070	2.77	15
34.94	20.7	17.3	-	21.0	0.5	11.8	2.5	4	clayy SILT to silty CLAY	115	2.0	9	10	5	-	-	1.4	5.1	46	0.070	2.80	15
35.11	21.8	18.1	-	22.2	0.6	18.4	2.9	4	clayy SILT to silty CLAY	115	2.0	9	11	5	-	-	1.5	5.4	47	0.070	2.81	15
35.27	22.8	18.8	-	23.2	0.6	19.3	3.1	3	silty CLAY to CLAY	115	1.5	13	15	5	-	-	1.5	5.6	47	0.005	2.82	15
35.43	23.2	19.1	-	23.6	0.6	21.8	2.7	4	clayy SILT to silty CLAY	115	2.0	10	12	5	-	-	1.6	5.7	45	0.070	2.77	15
35.60	29.9	24.5	-	30.6	1.0	33.5	3.4	4	clayy SILT to silty CLAY	115	2.0	12	15	7	-	-	2.0	7.5	43	0.070	2.75	15
35.76	58.2	51.1	101.1	58.4	1.0	11.4	1.8	5	silty SAND to sandy SILT	120	3.0	17	19	11	45	36	-	-	23	0.200	2.31	16
35.93	44.1	38.6	108.0	44.2	1.1	2.9	2.6	4	clayy SILT to silty CLAY	115	2.0	19	22	9	-	-	3.0	9.9	31	0.070	2.51	15
36.09	28.9	23.4	-	29.0	1.1	4.5	4.1	3	silty CLAY to CLAY	115	1.5	16	19	7	-	-	2.0	7.2	47	0.005	2.81	15
36.26	31.1	25.1	-	31.3	1.0	10.0	3.4	4	clayy SILT to silty CLAY	115	2.0	13	16	7	-	-	2.1	7.7	42	0.070	2.74	15
36.42	33.2	26.7	-	33.2	1.0	3.7	3.1	4	clayy SILT to silty CLAY	115	2.0	13	17	7	-	-	2.3	8.2	40	0.070	2.69	15
36.58	34.8	28.0	-	34.9	1.0	4.3	3.1	4	clayy SILT to silty CLAY	115	2.0	14	17	7	-	-	2.4	8.7	39	0.070	2.67	15
36.75	37.1	29.7	-	37.2	1.0	5.6	2.9	4	clayy SILT to silty CLAY	115	2.0	15	19	8	-	-	2.5	9.2	37	0.070	2.64	15
36.91	39.1	31.2	-	39.3	1.5	12.7	4.1	4	clayy SILT to silty CLAY	115	2.0	16	20	8	-	-	2.7	9.7	41	0.070	2.71	15
37.08	54.8	47.5	110.0	55.0	1.2	6.3	2.3	5	silty SAND to sandy SILT	120	3.0	16	18	11	42	36	-	-	26	0.200	2.40	16
37.24	53.6	46.3	116.7	53.6	1.3	0.8	2.6	5	silty SAND to sandy SILT	120	3.0	15	18	11	42	36	-	-	28	0.200	2.45	16
37.40	44.9	38.7	106.2	45.0	1.1	5.7	2.5	4	clayy SILT to silty CLAY	115	2.0	19	22	9	-	-	3.1	9.9	30	0.070	2.49	15
37.57	36.9	31.8	95.4	36.9	0.8	1.7	2.3	4	clayy SILT to silty CLAY	115	2.0	16	18	8	-	-	2.5	9.0	33	0.070	2.54	15
37.73	24.7	19.3	-	24.9	0.6	13.4	2.5	4	clayy SILT to silty CLAY	115	2.0	10	12	5	-	-	1.7	5.8	44	0.070	2.76	15
37.90	27.2	21.2	-	27.6	0.7	20.4	2.9	4	clayy SILT to silty CLAY	115	2.0	11	14	6	-	-	1.8	6.4	44	0.070	2.76	15
38.06	27.7	21.5	-	28.2	0.9	24.8	3.4	4	clayy SILT to silty CLAY	115	2.0	11	14	6	-	-	1.9	6.5	46	0.070	2.79	15
38.22	31.7	24.6	-	32.6	0.9	43.6	3.1	4	clayy SILT to silty CLAY	115	2.0	12	16	7	-	-	2.2	7.5	42	0.070	2.72	15
38.39	30.3	23.4	-	31.2	1.0	45.5	3.6	4	clayy SILT to silty CLAY	115	2.0	12	15	7	-	-	2.1	7.2	45	0.070	2.78	15
38.55	29.2	22.5	-	29.9	1.0	38.5	3.6	4	clayy SILT to silty CLAY	115	2.0	11	15	6	-	-	2.0	6.8	45	0.070	2.79	15
38.72	28.4	21.8	-	29.0	0.7	30.0	2.6	4	clayy SILT to silty CLAY	115	2.0	11	14	6	-	-	1.9	6.6	41	0.070	2.71	15
38.88	23.3	17.8	-	23.8	0.4	25.9	1.9	4	clayy SILT to silty CLAY	115	2.0	9	12	5	-	-	1.6	5.3	41	0.070	2.71	15
39.04	18.9	14.4	-	19.5	0.2	29.4	1.0	4	clayy SILT to silty CLAY	115	2.0	7	9	4	-	-	1.2	4.2	38	0.070	2.66	15
39.21	17.0	12.9	-	17.6	0.2	30.0	1.0	4	clayy SILT to silty CLAY	115	2.0	6	8	4	-	-	1.1	3.7	42	0.070	2.72	15
39.37	15.8	12.0	-	16.5	0.3	34.8	2.0	4	clayy SILT to silty CLAY	115	2.0	6	8	4	-	-	1.0	3.4	52	0.070	2.89	15
39.54	17.9	13.5	-	18.8	0.4	43.3	2.4	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.9	51	0.005	2.89	15
39.70	19.1	14.4	-	20.0	0.5	41.8	2.8	3	silty CLAY to CLAY	115	1.5	10	13	4	-	-	1.3	4.2	52	0.005	2.90	15
39.86	20.4	15.3	-	21.2	0.4	42.1	2.5	4	clayy SILT to silty CLAY	115	2.0	8	10	4	-	-	1.3	4.5	48	0.070	2.84	15
40.03	19.9	14.9	-	20.6	0.4	38.8	2.3	4	clayy SILT to silty CLAY	115	2.0	7	10	4	-	-	1.3	4.3	48	0.070	2.83	15
40.19	19.1	14.3	-	20.0	0.3	42.3	2.0	4	clayy SILT to silty CLAY	115	2.0	7	10	4	-	-	1.3	4.1	47	0.070	2.82	15
40.36	19.7	14.7	-	20.6	0.4	44.5	2.1	4	clayy SILT to silty CLAY	115	2.0	7	10	4	-	-	1.3	4.3	47	0.070	2.82	15
40.52	20.6	15.2	-	21.5	0.5	48.1	2.5	4	clayy SILT to silty CLAY	115	2.0	8	10	4	-	-	1.4	4.5	49	0.070	2.85	15
40.68	22.3	16.5	-	23.3	0.6	47.6	2.9	3	silty CLAY to CLAY	115	1.5	11	15	5	-	-	1.5	4.9	49	0.005	2.85	15
40.85	23.9	17.6	-	24.8	0.6	45.6	3.0	3	silty CLAY to CLAY	115	1.5	12	16	5	-	-	1.6	5.2	48	0.005	2.83	15
41.01	24.1	17.7	-	25.0	0.6	44.2	2.9	4	clayy SILT to silty CLAY	115	2.0	9	12	5	-	-	1.6	5.3	47	0.070	2.82	15
41.18	22.6	16.6	-	23.4	0.6	40.5	2.7	4	clayy SILT to silty CLAY	115	2.0	8	11	5	-	-	1.5	4.9	48	0.070	2.83	15
41.34	21.3	15.5	-	22.0	0.5	38.6	2.7	4	clayy SILT to silty CLAY	115	2.0	8	11	5	-	-	1.4	4.5	49	0.070	2.85	15
41.50	19.4	14.1	-	20.1	0.4	35.1	2.6	3	silty CLAY to CLAY	115	1.5	9	13	4	-	-	1.3	4.1	51	0.005	2.88	15
41.67	18.4	13.3	-	19.1	0.4	34.8	2.6	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.8	52	0.005	2.91	15
41.83	17.9	12.9	-	18.5	0.4	31.8	2.6	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.7	53	0.005	2.92	15
42.00	17.5	12.6	-	18.1	0.3	30.7	2.1	4	clayy SILT to silty CLAY	115	2.0	6	9	4	-	-	1.1	3.6	51	0.070	2.89	15
42.16	16.8	12.1	-	17.4	0.3	31.1	1.8	4	clayy SILT to silty CLAY	115	2.0	6	8	4	-	-	1.1	3.4	50	0.070	2.87	15
42.32	15.9	11.4	-	16.5	0.3	33.0	2.0	3	silty CLAY to CLAY	115	1.5	8	11	3	-	-	1.0	3.2	53	0.005	2.92	15
42.49	16.2	11.5	-	16.9	0.2	35.2	1.7	4	clayy SILT to silty CLAY	115	2.0	6	8	3	-	-	1.0	3.2	50	0.070	2.87	15
42.65	16.3	11.6	-	17.0	0.2	36.3	1.6	4	clayy SILT to silty CLAY	115	2.0	6	8	3	-	-	1.1	3.2	50	0.070	2.86	15
42.82	16.2	11.5	-	17.0	0.3	40.7	1.9	4	clayy SILT to silty CLAY	115	2.0	6	8	3	-	-	1.0	3.2	52	0.070	2.90	15
42.98	17.8	12.6	-	18.6	0.3	42.8	1.9	4	clayy SILT to silty CLAY	115	2.0	6	9	4	-	-	1.2	3.6	49	0.070	2.86	15
43.15	18.5	13.0	-	19.3	0.5	43.3	2.9	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.7	55	0.005	2.95	15
43.31	21.0	14.7	-	22.0	0.6	51.4	3.4	3	silty CLAY to CLAY	115	1.5	10	14	5	-	-	1.4	4.3	54	0.005	2.94	15
43.47	27.7	19.4	-	28.6	0.9	43.5	3.7	3	silty CLAY to CLAY	115	1.5	13	18	6	-	-	1.9	5.8	49	0.005	2.85	15
43.64	31.4	21.9	-	32.3	1.1	50.1	3.8	3	silty CLAY to CLAY	115	1.5	15	21	6	-	-	2.1	6.6	47	0.005	2.82	15
43.80	34.4	24.0	-	35.2	1.3	40.9	4.1	3	silty CLAY to CLAY	115	1.5	16	23	7	-	-	2.3	7.3	46	0.005	2.81	15
43.97	35.1	24.4	-	35.9	1.4	37.8	4.4	3	silty CLAY to CLAY	115	1.5	16	23	7	-	-	2.4	7.5	47	0.005	2.82	15

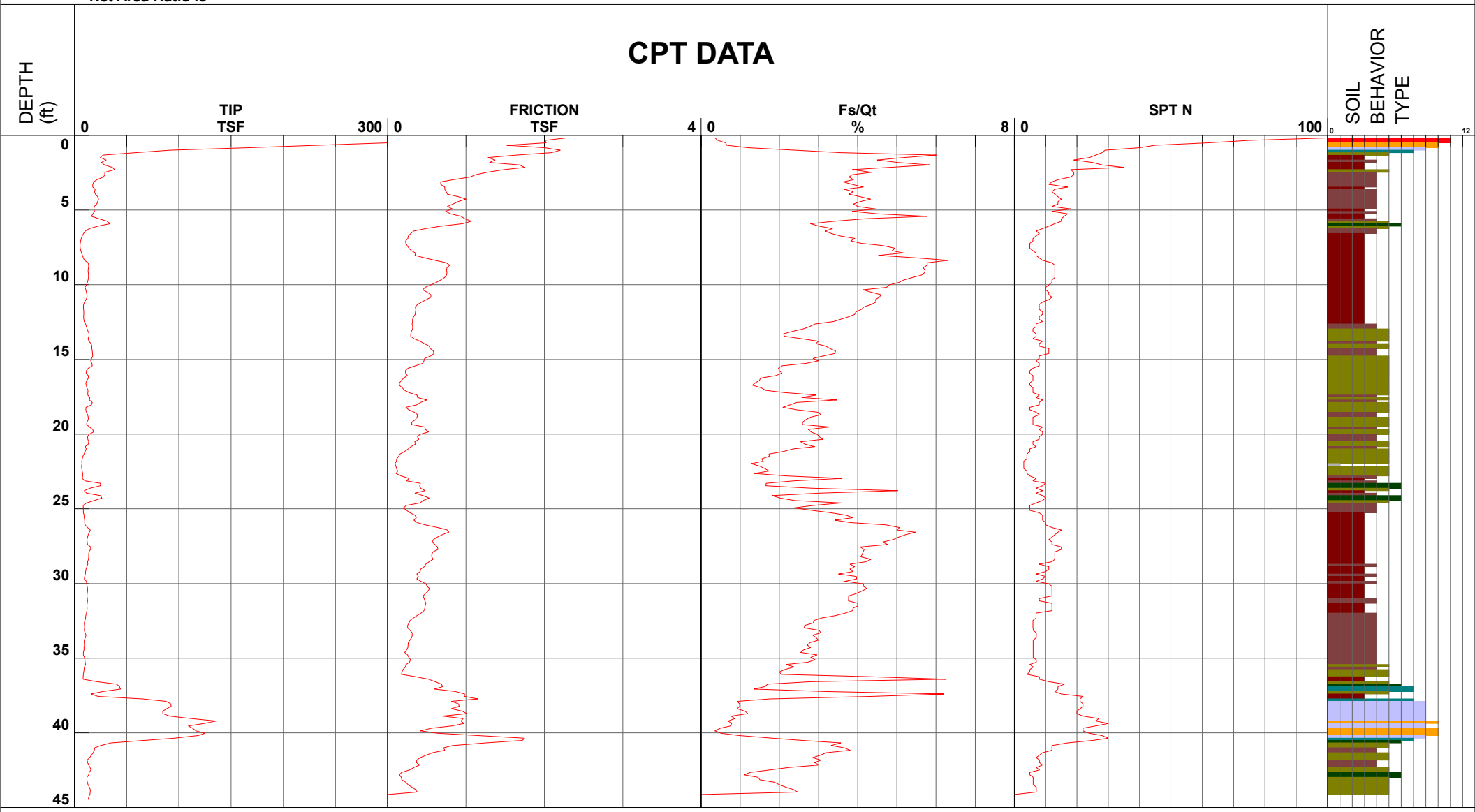
* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Cornerstone Earth Group

Project	1355 California Circle	Operator	BH-AJ	Filename	SDF(369).cpt
Job Number	461-16-2	Cone Number	DDG1496	GPS	
Hole Number	CPT-03	Date and Time	11/12/2020 9:00:24 AM	Maximum Depth	44.45 ft
EST GW Depth During Test		0.00 ft			

Net Area Ratio .8

CPT DATA



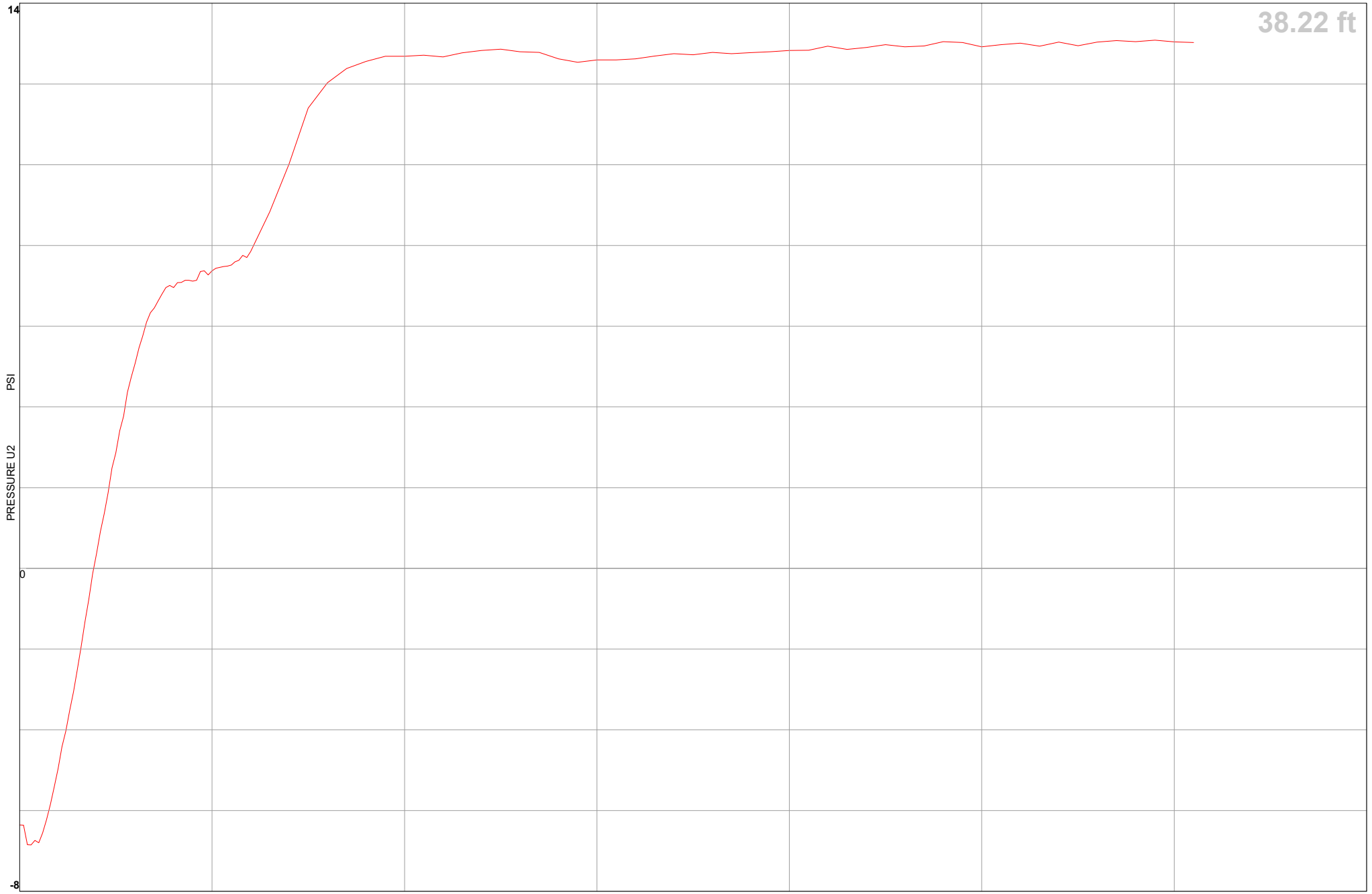
1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

Cornerstone Earth Group

Location	1355 California Circle	Operator	BH-AJ	
Job Number	461-16-2	Cone Number	DDG1496	GPS
Hole Number	CPT-03	Date and Time	11/12/2020 9:00:24 AM	
Equilized Pressure	13.0	EST GW Depth During Test	8.1	



1355 California Circle

Project ID: Cornerstone Earth Group
Data File: SDF(369).cpt
CPT Date: 11/12/2020 9:00:24 AM
GW During Test: 8 ft

Sounding ID: CPT-03
Project No: 461-16-2
Cone/Rig: DDG1496

Depth ft	qc PS tsf	qc1n PS - *	q1ncs PS -	qt PS tsf *	Slv Stss tsf	pore prss (psi)	Frct Ratio %	Mat Typ Zon	Material Behavior Description *	Unit Wght pcf	Qc to N	SPT R-N1 60% *	SPT R-N 60%	SPT IcN1 60% *	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm	Ic SBT Indx *	Nk -
0.33	469.8	753.4	753.4	469.8	2.0	-0.2	0.4	7	grvly SAND to dense SAND	130	6.0	100	78	100	95	48	-	-	5	1.000	1.04	16
0.49	322.8	517.7	517.7	322.8	2.0	0.1	0.6	7	grvly SAND to dense SAND	130	6.0	86	54	79	95	48	-	-	5	1.000	1.27	16
0.66	232.9	373.5	373.5	232.9	1.5	-0.1	0.7	6	clean SAND to silty SAND	125	5.0	75	47	59	95	48	-	-	5	0.350	1.37	16
0.82	165.9	266.1	270.7	165.9	2.0	0.1	1.2	6	clean SAND to silty SAND	125	5.0	53	33	46	95	48	-	-	6	0.350	1.67	16
0.98	91.8	147.2	204.9	91.8	2.2	0.0	2.4	5	silty SAND to sandy SILT	120	3.0	49	31	30	80	48	-	-	15	0.200	2.06	16
1.15	58.7	94.2	189.6	58.7	2.1	0.1	3.6	5	silty SAND to sandy SILT	120	3.0	31	20	21	65	48	-	-	23	0.200	2.32	16
1.31	27.3	43.7	-	27.3	1.6	0.1	6.0	3	silty CLAY to CLAY	115	1.5	29	18	12	-	-	1.9	9.9	41	0.005	2.71	15
1.48	24.8	39.7	-	24.8	1.3	0.8	5.2	3	silty CLAY to CLAY	115	1.5	26	17	11	-	-	1.7	9.9	40	0.005	2.69	15
1.64	30.4	48.8	158.6	30.5	1.4	1.9	4.5	4	clayy SILT to silty CLAY	115	2.0	24	15	12	-	-	2.1	9.9	35	0.070	2.59	15
1.80	25.9	41.6	-	25.9	1.3	0.3	5.0	3	silty CLAY to CLAY	115	1.5	28	17	11	-	-	1.8	9.9	39	0.005	2.67	15
1.97	28.8	46.1	-	28.8	1.7	0.5	5.9	3	silty CLAY to CLAY	115	1.5	31	19	12	-	-	2.0	9.9	40	0.005	2.69	15
2.13	36.4	58.4	179.0	36.4	1.8	-1.2	4.8	4	clayy SILT to silty CLAY	115	2.0	29	18	15	-	-	2.6	9.9	33	0.070	2.56	15
2.30	38.4	61.6	161.5	38.4	1.5	-3.8	3.9	4	clayy SILT to silty CLAY	115	2.0	31	19	15	-	-	2.7	9.9	29	0.070	2.47	15
2.46	29.1	46.7	152.8	29.0	1.3	-4.4	4.4	4	clayy SILT to silty CLAY	115	2.0	23	15	12	-	-	2.0	9.9	35	0.070	2.59	15
2.62	29.1	46.7	142.7	29.0	1.1	-3.3	3.9	4	clayy SILT to silty CLAY	115	2.0	23	15	12	-	-	2.0	9.9	33	0.070	2.55	15
2.79	27.9	44.7	138.5	27.8	1.1	-3.8	3.8	4	clayy SILT to silty CLAY	115	2.0	22	14	11	-	-	2.0	9.9	34	0.070	2.56	15
2.95	21.5	34.5	-	21.5	0.8	-4.0	3.9	4	clayy SILT to silty CLAY	115	2.0	17	11	9	-	-	1.5	9.9	38	0.070	2.65	15
3.12	18.6	29.9	-	18.6	0.7	-3.7	3.7	4	clayy SILT to silty CLAY	115	2.0	15	9	8	-	-	1.3	9.9	39	0.070	2.68	15
3.28	17.5	28.1	-	17.4	0.7	-3.6	3.9	4	clayy SILT to silty CLAY	115	2.0	14	9	8	-	-	1.2	9.9	41	0.070	2.72	15
3.45	17.6	28.2	-	17.5	0.7	-3.6	4.2	3	silty CLAY to CLAY	115	1.5	19	12	8	-	-	1.2	9.9	43	0.005	2.74	15
3.61	19.9	31.9	-	19.8	0.7	-3.7	3.7	4	clayy SILT to silty CLAY	115	2.0	16	10	8	-	-	1.4	9.9	38	0.070	2.66	15
3.77	19.3	30.9	-	19.2	0.7	-3.4	3.9	4	clayy SILT to silty CLAY	115	2.0	15	10	8	-	-	1.3	9.9	40	0.070	2.69	15
3.94	20.2	32.3	-	20.1	0.8	-3.4	3.8	4	clayy SILT to silty CLAY	115	2.0	16	10	9	-	-	1.4	9.9	39	0.070	2.67	15
4.10	22.2	35.5	-	22.1	0.9	-3.3	4.1	4	clayy SILT to silty CLAY	115	2.0	18	11	9	-	-	1.5	9.9	38	0.070	2.66	15
4.27	23.1	37.1	-	23.0	1.0	-3.7	4.4	4	clayy SILT to silty CLAY	115	2.0	19	12	10	-	-	1.6	9.9	39	0.070	2.66	15
4.43	22.1	35.4	-	22.1	0.9	-0.4	4.1	4	clayy SILT to silty CLAY	115	2.0	18	11	9	-	-	1.5	9.9	38	0.070	2.66	15
4.59	21.4	34.3	-	21.5	0.8	3.9	3.9	4	clayy SILT to silty CLAY	115	2.0	17	11	9	-	-	1.5	9.9	38	0.070	2.66	15
4.76	19.1	30.6	-	19.3	0.8	12.9	4.1	4	clayy SILT to silty CLAY	115	2.0	15	10	8	-	-	1.3	9.9	41	0.070	2.70	15
4.92	18.5	29.7	-	18.7	0.8	11.9	4.5	3	silty CLAY to CLAY	115	1.5	20	12	8	-	-	1.3	9.9	43	0.005	2.74	15
5.09	19.2	30.7	-	19.4	0.7	11.8	3.9	4	clayy SILT to silty CLAY	115	2.0	15	10	8	-	-	1.3	9.9	40	0.070	2.69	15
5.25	17.8	28.5	-	17.9	0.8	7.1	4.6	3	silty CLAY to CLAY	115	1.5	19	12	8	-	-	1.2	9.9	44	0.005	2.76	15
5.41	16.2	26.0	-	16.3	0.9	7.7	5.9	3	silty CLAY to CLAY	115	1.5	17	11	8	-	-	1.1	9.9	50	0.005	2.87	15
5.58	23.5	37.7	-	23.7	1.0	7.1	4.2	4	clayy SILT to silty CLAY	115	2.0	19	12	10	-	-	1.6	9.9	38	0.070	2.65	15
5.74	31.3	50.2	138.2	31.3	1.1	3.1	3.4	4	clayy SILT to silty CLAY	115	2.0	25	16	12	-	-	2.2	9.9	31	0.070	2.50	15
5.91	34.3	55.0	128.9	34.3	1.0	1.9	2.8	5	silty SAND to sandy SILT	120	3.0	18	11	13	47	40	-	-	27	0.200	2.41	16
6.07	22.6	36.3	113.4	22.5	0.7	-3.0	3.1	4	clayy SILT to silty CLAY	115	2.0	18	11	9	-	-	1.6	9.9	34	0.070	2.57	15
6.23	14.4	23.0	-	14.3	0.5	-2.7	3.4	4	clayy SILT to silty CLAY	115	2.0	12	7	6	-	-	1.0	9.9	43	0.070	2.75	15
6.40	10.5	16.8	-	10.4	0.3	-2.2	3.3	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	8.9	49	0.005	2.85	15
6.56	8.8	14.1	-	8.8	0.3	-2.0	3.5	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	7.2	54	0.005	2.93	15
6.73	7.4	11.9	-	7.4	0.3	-1.7	3.8	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	5.9	59	0.005	3.01	15
6.89	6.5	10.5	-	6.5	0.3	-1.6	4.2	3	silty CLAY to CLAY	115	1.5	7	4	4	-	-	0.4	5.0	65	0.005	3.09	15
7.05	6.0	9.6	-	5.9	0.2	-1.5	4.1	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	4.4	67	0.005	3.12	15
7.22	5.6	9.0	-	5.6	0.2	-1.5	4.4	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	4.1	70	0.005	3.16	15
7.38	5.4	8.6	-	5.3	0.2	-1.4	5.0	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.3	3.8	74	0.005	3.21	15
7.55	5.5	8.8	-	5.4	0.3	-1.3	5.4	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	3.8	75	0.005	3.22	15
7.71	6.2	9.9	-	6.2	0.3	-1.3	5.3	3	silty CLAY to CLAY	115	1.5	7	4	4	-	-	0.4	4.2	71	0.005	3.17	15
7.87	6.9	11.0	-	6.8	0.4	-1.4	5.5	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	4.6	69	0.005	3.15	15
8.04	7.7	12.3	-	7.6	0.3	-1.2	4.8	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	5.1	63	0.005	3.07	15
8.20	8.6	13.8	-	8.6	0.5	-1.3	5.8	3	silty CLAY to CLAY	115	1.5	9	6	5	-	-	0.6	5.7	64	0.005	3.08	15
8.37	9.6	15.3	-	9.5	0.6	-1.1	6.6	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	6.3	64	0.005	3.08	15
8.53	13.0	20.8	-	12.9	0.7	-1.3	6.0	3	silty CLAY to CLAY	115	1.5	14	9	6	-	-	0.9	8.6	55	0.005	2.95	15
8.69	13.7	21.9	-	13.6	0.8	-1.5	6.0	3	silty CLAY to CLAY	115	1.5	15	9	7	-	-	0.9	9.0	54	0.005	2.93	15
8.86	13.4	21.4	-	13.3	0.8	-1.6	5.9	3	silty CLAY to CLAY	115	1.5	14	9	7	-	-	0.9	8.7	54	0.005	2.93	15
9.02	13.1	21.0	-	13.1	0.8	-1.5	6.0	3	silty CLAY to CLAY	115	1.5	14	9	6	-	-	0.9	8.5	55	0.005	2.94	15
9.19	13.2	21.2	-	13.2	0.8	-1.3	5.9	3	silty CLAY to CLAY	115	1.5	14	9	7	-	-	0.9	8.5	55	0.005	2.94	15
9.35	13.3	21.4	-	13.3	0.8	-1.3	5.9	3	silty CLAY to CLAY	115	1.5	14	9	7	-	-	0.9	8.5	54	0.005	2.93	15
9.51	13.4	21.5	-	13.4	0.7	-1.4	5.6	3	silty CLAY to CLAY	115	1.5	14	9	7	-	-	0.9	8.5	53	0.005	2.92	15
9.68	13.0	20.9	-	13.0	0.7	-1.4	5.4	3	silty CLAY to CLAY	115	1.5	14	9	6	-	-	0.9	8.1	53	0.005	2.92	15
9.84	12.3	19.7	-	12.3	0.6	-1.5	5.3	3	silty CLAY to CLAY	115	1.5	13	8	6	-	-	0.8	7.6	54	0.005	2.93	15
10.01	11.5	18.4	-	11.4	0.6	-1.6	5.1	3	silty CLAY to CLAY	115	1.5	12	8	6	-	-	0.8	7.0	55	0.005	2.94	15
10.17	10.1	16.1	-	10.0	0.5	-1.7	5.0	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	6.0	58	0.005	2.99	15
10.34	10.8	17.4	-	10.8	0.4	-1.3	4.4	3	silty CLAY to CLAY	115	1.5	12	7	5	-	-	0.7	6.5	53	0.005	2.92	15
10.50	11.6	18.6	-	11.6	0.5	-1.2	4.6	3	silty CLAY to CLAY	115	1.5	12	8	6	-	-	0.8	6.9	53	0.005	2.91	15
10.66	12.0	19.2	-	12.0	0.6	-1.3	4.8	3	silty CLAY to CLAY	115	1.5	13	8	6	-	-	0.8	7.0	53	0.005	2.92	15
10.83	12.1	19.4	-	12.1	0.6	-1.3	4.8	3	silty CLAY to CLAY	115	1.5	13	8	6	-	-	0.8	7.0	53	0.005	2.91	15
10.99	11.1	17.8	-	11.1	0.5	-1.5	4.7	3	silty CLAY to CLAY	115	1.5	12	7	5	-	-	0.7	6.4	54	0.005	2.94	15
11.16	9.6	15.5	-	9.6	0.4	-1.7	4.8	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	5.4	58	0.005	2.99	15
11.32	8.8	14.1	-	8.7	0.4	-1.7	4.7	3	silty CLAY to CLAY	115	1.5	9	6	5	-	-	0.6	4.9	60	0.005	3.02	15
11.48	8.5	13.6	-	8.4	0.4	-1.6	4.5	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	4.6	60	0.005	3.02	15
11.65	8.8	14.0	-	8.7	0.4	-1.7	4.4	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	4.8	59	0.005	3.01	15
11.81	9.0	14.4	-	9.0	0.4	-1.7	4.3	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	4.9	58	0.005	2.99	15
11.98	8.9	14.3	-	8.9	0.4	-1.7	4.3	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	4.8	58	0.005	2.99	15
12.14	8.8	14.1	-	8.7	0.3	-1.7	4.1	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	4.7	58	0.005	2.99	15
12.30	8.9	14.3	-	8.9	0.3	-1.7	3.9	3	silty CLAY to CLAY	115	1.5	10	6	4	-	-	0.6	4.7	56	0.005	2.97	15
12.47	9.4	15.0	-	9.4	0.3	-1.6	3.7	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	4.9	54	0.005	2.93	15
12.63	10.7	17.2	-	10.7	0.3	-1.6	3.1	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	5.6	48	0.005	2.84	15
12.80	11.6	18.5	-	11.5	0.3	-1.5	3.0	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	6.1	46	0.070	2.80	15
12.96	12.2	19.5	-	12.1	0.3	-1.4	2.8	4	clayy SILT to silty CLAY	115	2.0	10	6	5	-	-	0.8	6.4	44	0.070	2.76	15
13.12	12.9	20.8	-	12.9	0.3	-1.3	2.5	4	clayy SILT to silty CLAY	115	2.0	10	6	6	-	-	0.9	6.7	41	0.070	2.71	15
13.29	14.0	22.5	-	14.0	0.3	-1.1	2.2	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	0.9	7.3	38	0.070	2.66	15
13.45	13.8	22.1	-	13.8	0.3	-1.1	2.3	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	0.9	7.1	39	0.070	2.66	15
13.62	13.1	21.0	-	13.1	0.3	-1.1	2.7	4	clayy SILT to silty CLAY	115	2.0	10	7	6	-	-	0.9	6.6	42	0.070	2.74	15
13.78	13.8	22.1	-	13.8	0.4	-1.0	3.2	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	0.9	7.0	44	0.070	2.76	15
13.94	16.0	25.7	-	16.0	0.5	-0.9	3.1	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.1	8.1	40	0.070	2.69	15
14.11	16.6	26.6	-	16.6	0.5	-1.0	3.4	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.1	8.4	41	0.070	2.71	15
14.27	16.6	26.4	-	16.5	0.5	-0.9	3.5	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.1	8.3	41	0.070	2.72	15
14.44	17.0	26.9	-	17.0	0.6	-0.8	3.6	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.2	8.4	42	0.070	2.72	15
14.60	17.3	27.2	-	17.3	0.6	-0.8	3.6	4	clayy SILT to silty CLAY	115	2.0	14	9	7	-	-	1.2	8.5	41	0.070	2.72	15
14.76	17.5	27.3	-	17.5	0.5	-0.8	3.3	4	clayy SILT to silty CLAY	115	2.0	14	9	7	-	-	1.2	8.6	40	0.070	2.69	15
14.93	16.5	25.6	-	16.5	0.5	-0.7	3.0	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.1	8.0	40	0.070	2.69	15
15.09	15.5	23.9	-	15.5	0.5	-0.6	3.2	4	clayy SILT to silty CLAY	115	2.0	12	8	7	-	-	1.0	7.4	42	0.070	2.73	15
15.26	16.7	25.5	-	16.7	0.4	-0.5	2.8	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.1	8.0	39	0.070	2.67	15
15.42	17.0	25.9	-	17.0	0.4	-0.4	2.2	4	clayy SILT to silty CLAY	115	2.0	13	9	7	-	-	1.2	8.1	35	0.070	2.60	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Middle Earth Geo Testing

Depth ft	qc PS tsf	qc1n PS -	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60%	SPT R-N 60%	SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm	Ic SBT Indx	Nk -
15.58	13.2	19.9	-	13.2	0.3	-0.6	2.1	4	clayy SILT to silty CLAY	115	2.0	10	7	5	-	-	0.9	6.1	40	0.070	2.69	15
15.75	11.4	17.1	-	11.4	0.2	-0.4	2.2	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.2	43	0.070	2.76	15
15.91	11.0	16.4	-	11.0	0.2	-0.4	2.3	4	clayy SILT to silty CLAY	115	2.0	8	6	5	-	-	0.7	5.0	45	0.070	2.78	15
16.08	13.2	19.6	-	13.2	0.3	-0.2	2.1	4	clayy SILT to silty CLAY	115	2.0	10	7	5	-	-	0.9	6.0	40	0.070	2.69	15
16.24	13.4	19.7	-	13.4	0.2	-0.3	1.6	4	clayy SILT to silty CLAY	115	2.0	10	7	5	-	-	0.9	6.0	37	0.070	2.63	15
16.40	11.8	17.2	-	11.8	0.2	-0.3	1.6	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.2	40	0.070	2.68	15
16.57	10.7	15.6	-	10.7	0.1	-0.2	1.5	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	4.7	41	0.070	2.71	15
16.73	11.3	16.3	-	11.3	0.1	-0.1	1.4	4	clayy SILT to silty CLAY	115	2.0	8	6	4	-	-	0.7	4.9	39	0.070	2.68	15
16.90	12.0	17.2	-	12.0	0.2	0.0	1.7	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.2	40	0.070	2.69	15
17.06	13.1	18.7	-	13.1	0.2	0.1	1.8	4	clayy SILT to silty CLAY	115	2.0	9	7	5	-	-	0.9	5.7	39	0.070	2.67	15
17.23	12.8	18.1	-	12.8	0.3	0.1	2.3	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.9	5.5	43	0.070	2.75	15
17.39	12.7	17.9	-	12.7	0.4	0.2	3.2	3	silty CLAY to CLAY	115	1.5	12	8	5	-	-	0.8	5.4	48	0.005	2.84	15
17.55	14.8	20.7	-	14.8	0.4	0.2	2.8	4	clayy SILT to silty CLAY	115	2.0	10	7	6	-	-	1.0	6.4	43	0.070	2.75	15
17.72	14.4	20.0	-	14.4	0.5	0.1	3.7	3	silty CLAY to CLAY	115	1.5	13	10	6	-	-	1.0	6.1	48	0.005	2.84	15
17.88	17.1	23.7	-	17.1	0.4	0.2	2.6	4	clayy SILT to silty CLAY	115	2.0	12	9	6	-	-	1.2	7.3	39	0.070	2.68	15
18.05	16.3	22.4	-	16.3	0.4	-0.3	2.4	4	clayy SILT to silty CLAY	115	2.0	11	8	6	-	-	1.1	6.9	40	0.070	2.68	15
18.21	11.1	15.1	-	11.1	0.2	-0.1	2.3	4	clayy SILT to silty CLAY	115	2.0	8	6	4	-	-	0.7	4.5	47	0.070	2.82	15
18.37	10.9	14.9	-	10.9	0.3	0.2	2.7	3	silty CLAY to CLAY	115	1.5	10	7	4	-	-	0.7	4.4	50	0.005	2.87	15
18.54	11.4	15.4	-	11.4	0.3	0.3	3.3	3	silty CLAY to CLAY	115	1.5	10	8	5	-	-	0.8	4.6	52	0.005	2.90	15
18.70	12.5	16.8	-	12.5	0.4	0.8	3.4	3	silty CLAY to CLAY	115	1.5	11	8	5	-	-	0.8	5.1	50	0.005	2.88	15
18.87	13.3	17.8	-	13.3	0.4	0.9	3.0	3	silty CLAY to CLAY	115	1.5	12	9	5	-	-	0.9	5.4	48	0.005	2.83	15
19.03	13.3	17.6	-	13.3	0.4	0.8	2.9	4	clayy SILT to silty CLAY	115	2.0	9	7	5	-	-	0.9	5.3	47	0.070	2.82	15
19.19	11.9	15.7	-	11.9	0.3	0.9	2.9	3	silty CLAY to CLAY	115	1.5	10	8	5	-	-	0.8	4.7	49	0.005	2.86	15
19.36	11.8	15.5	-	11.8	0.3	1.0	2.9	3	silty CLAY to CLAY	115	1.5	10	8	5	-	-	0.8	4.6	50	0.005	2.86	15
19.52	14.3	18.7	-	14.4	0.5	1.2	3.6	3	silty CLAY to CLAY	115	1.5	12	10	5	-	-	1.0	5.7	49	0.005	2.85	15
19.69	17.6	22.9	-	17.6	0.5	1.2	2.9	4	clayy SILT to silty CLAY	115	2.0	11	9	6	-	-	1.2	7.1	42	0.070	2.72	15
19.85	18.5	23.9	-	18.5	0.5	1.0	3.0	4	clayy SILT to silty CLAY	115	2.0	12	9	6	-	-	1.3	7.4	41	0.070	2.72	15
20.01	13.9	17.9	-	13.9	0.4	0.9	3.2	3	silty CLAY to CLAY	115	1.5	12	9	5	-	-	0.9	5.4	49	0.005	2.84	15
20.18	12.6	16.1	-	12.6	0.4	1.0	3.3	3	silty CLAY to CLAY	115	1.5	11	8	5	-	-	0.8	4.8	51	0.005	2.89	15
20.34	12.7	16.2	-	12.8	0.4	1.3	3.4	3	silty CLAY to CLAY	115	1.5	11	8	5	-	-	0.8	4.8	52	0.005	2.90	15
20.51	13.5	17.1	-	13.6	0.3	1.3	2.8	4	clayy SILT to silty CLAY	115	2.0	9	7	5	-	-	0.9	5.2	47	0.070	2.82	15
20.67	13.3	16.7	-	13.3	0.4	1.0	2.9	3	silty CLAY to CLAY	115	1.5	11	9	5	-	-	0.9	5.0	48	0.005	2.84	15
20.83	10.2	12.8	-	10.3	0.3	1.5	3.3	3	silty CLAY to CLAY	115	1.5	9	7	4	-	-	0.7	3.7	57	0.005	2.98	15
21.00	11.2	13.9	-	11.2	0.3	1.6	2.6	3	silty CLAY to CLAY	115	1.5	9	7	4	-	-	0.7	4.1	51	0.005	2.89	15
21.16	10.2	12.7	-	10.3	0.2	1.6	2.4	3	silty CLAY to CLAY	115	1.5	8	7	4	-	-	0.7	3.7	52	0.005	2.90	15
21.33	9.1	11.2	-	9.1	0.2	1.7	2.0	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	3.2	53	0.005	2.91	15
21.49	8.1	9.9	-	8.1	0.1	1.8	2.1	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	2.8	57	0.005	2.97	15
21.65	7.5	9.1	-	7.5	0.1	1.9	1.9	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.5	58	0.005	2.99	15
21.82	7.0	8.5	-	7.1	0.1	3.0	1.9	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.3	60	0.005	3.03	15
21.98	7.1	8.6	-	7.2	0.1	3.3	1.6	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.3	57	0.005	2.98	15
22.15	6.9	8.3	-	7.0	0.1	3.4	1.9	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.2	61	0.005	3.03	15
22.31	6.9	8.3	-	7.0	0.1	3.6	2.0	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.2	62	0.005	3.05	15
22.47	7.5	8.9	-	7.6	0.1	3.8	2.1	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.4	60	0.005	3.03	15
22.64	7.9	9.3	-	8.0	0.1	3.9	1.6	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.6	55	0.005	2.95	15
22.80	7.9	9.2	-	8.0	0.2	4.1	2.6	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.5	63	0.005	3.06	15
22.97	7.5	8.8	-	7.6	0.3	4.2	4.4	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.4	73	0.005	3.21	15
23.13	10.1	11.7	-	10.2	0.2	4.6	2.7	3	silty CLAY to CLAY	115	1.5	8	7	4	-	-	0.7	3.3	56	0.005	2.97	15
23.30	25.0	26.1	78.1	25.1	0.4	4.0	1.8	4	clayy SILT to silty CLAY	115	2.0	13	13	6	-	-	1.7	9.0	33	0.070	2.54	15
23.46	24.7	25.7	77.5	24.8	0.4	2.9	1.7	4	clayy SILT to silty CLAY	115	2.0	13	12	6	-	-	1.7	8.9	33	0.070	2.55	15
23.62	14.9	17.1	-	15.0	0.4	3.1	3.1	3	silty CLAY to CLAY	115	1.5	11	10	5	-	-	1.0	5.1	49	0.005	2.85	15
23.79	9.5	10.8	-	9.6	0.5	4.3	5.9	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	3.0	73	0.005	3.20	15
23.95	11.5	13.1	-	11.6	0.3	5.1	3.4	3	silty CLAY to CLAY	115	1.5	9	8	4	-	-	0.8	3.8	57	0.005	2.98	15
24.12	24.7	25.4	80.7	24.8	0.4	4.6	1.9	4	clayy SILT to silty CLAY	115	2.0	13	12	6	-	-	1.7	8.7	34	0.070	2.57	15
24.28	26.2	27.0	86.5	26.2	0.5	1.8	2.1	4	clayy SILT to silty CLAY	115	2.0	13	13	7	-	-	1.8	9.2	34	0.070	2.58	15
24.44	19.0	21.2	-	19.0	0.5	0.9	2.6	4	clayy SILT to silty CLAY	115	2.0	11	9	6	-	-	1.3	6.5	42	0.070	2.72	15
24.61	11.5	12.8	-	11.5	0.4	1.4	4.1	3	silty CLAY to CLAY	115	1.5	9	8	4	-	-	0.7	3.7	61	0.005	3.04	15
24.77	8.3	9.2	-	8.3	0.2	2.7	3.5	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.5	68	0.005	3.13	15
24.94	8.5	9.3	-	8.5	0.2	3.5	2.9	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.6	64	0.005	3.08	15
25.10	8.5	9.3	-	8.6	0.2	6.4	3.4	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.6	67	0.005	3.12	15
25.26	8.6	9.4	-	8.7	0.3	6.6	4.0	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.6	70	0.005	3.16	15
25.43	9.4	10.2	-	9.5	0.3	6.7	4.4	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	2.8	69	0.005	3.15	15
25.59	9.4	10.2	-	9.5	0.4	6.6	4.6	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	2.8	70	0.005	3.16	15
25.76	9.8	10.5	-	9.9	0.3	6.6	4.0	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.6	2.9	66	0.005	3.11	15
25.92	9.9	10.6	-	10.0	0.4	6.6	4.5	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.6	3.0	68	0.005	3.14	15
26.08	10.1	10.8	-	10.3	0.5	6.9	5.5	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.6	3.0	72	0.005	3.18	15
26.25	12.6	13.4	-	12.7	0.6	6.9	5.8	3	silty CLAY to CLAY	115	1.5	9	8	5	-	-	0.8	3.9	66	0.005	3.11	15
26.41	15.2	16.1	-	15.4	0.8	6.5	5.6	3	silty CLAY to CLAY	115	1.5	11	10	5	-	-	1.0	4.8	61	0.005	3.03	15
26.58	14.2	15.0	-	14.4	0.8	5.3	6.1	3	silty CLAY to CLAY	115	1.5	10	9	5	-	-	0.9	4.4	64	0.005	3.09	15
26.74	13.3	13.9	-	13.4	0.7	5.0	5.9	3	silty CLAY to CLAY	115	1.5	9	9	5	-	-	0.9	4.1	66	0.005	3.10	15
26.90	12.6	13.1	-	12.7	0.6	5.0	5.8	3	silty CLAY to CLAY	115	1.5	9	8	5	-	-	0.8	3.8	67	0.005	3.12	15
27.07	11.9	12.3	-	12.0	0.6	5.1	5.6	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.5	68	0.005	3.14	15
27.23	12.3	12.7	-	12.4	0.6	5.3	5.3	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.6	66	0.005	3.11	15
27.40	12.6	13.0	-	12.7	0.6	5.8	5.4	3	silty CLAY to CLAY	115	1.5	9	8	4	-	-	0.8	3.7	66	0.005	3.11	15
27.56	15.6	16.0	-	15.7	0.6	6.2	4.5	3	silty CLAY to CLAY	115	1.5	11	10	5	-	-	1.0	4.7	57	0.005	2.98	15
27.72	15.4	15.7	-	15.5	0.6	5.9	4.7	3	silty CLAY to CLAY	115	1.5	10	10	5	-	-	1.0	4.6	58	0.005	2.99	15
27.89	13.9	14.1	-	14.0	0.6	5.9	4.7	3	silty CLAY to CLAY	115	1.5	9	9	5	-	-	0.9	4.1	61	0.005	3.03	15
28.05	13.7	13.8	-	13.8	0.6	6.1	4.7	3	silty CLAY to CLAY	115	1.5	9	9	5	-	-	0.9	4.0	61	0.005	3.04	15
28.22	13.7	13.8	-	13.9	0.6	6.1	4.6	3	silty CLAY to CLAY	115	1.5	9	9	5	-	-	0.9	4.0	61	0.005	3.04	15
28.38	13.4	13.4	-	13.5	0.6	6.1	4.9	3	silty CLAY to CLAY	115	1.5	9	9	4	-	-	0.9	3.9	63	0.005	3.07	15
28.54	12.6	12.5	-	12.7	0.5	6.5	4.8	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.6	65	0.005	3.09	15
28.71	12.7	12.6	-	12.9	0.5	6.7	4.4	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.6	63	0.005	3.06	15
28.87	11.9	11.8	-	12.0	0.5	6.6	4.6	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.3	65	0.005	3.10	15
29.04	11.0	10.9	-	11.2	0.4	6.8	4.5	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	3.0	67	0.005	3.13	15
29.20	10.6	10.4	-	10.8	0.4	6.9	4.6	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	2.9	69	0.005	3.15	15
29.36	10.6	10.3	-	10.7	0.4	7.2	4.2	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	2.9	68	0.005	3.13	15
29.53	9.8	9.6	-	10.0	0.4	6.9	4.8	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.6	2.6	73	0.005	3.20	15
29.69	9.4	9.1	-	9.5	0.4	7.7	4.9	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.4	75	0.005	3.22	15
29.86	11.6	11.2	-	11.8	0.4	8.1	4.3	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.7	3.1	66	0.005	3.11	15
30.02	11.8	11.3	-	11.9	0.5	8.1	4.9	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.2	68	0.005	3.13	15
30.19	12.1	11.6	-	12.3	0.5	8.3	4.8	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.3	67	0.005	3.12	15
30.35	12.6	12.0	-	12.8	0.5	8.2	4.9	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.4	66	0.005	3.11	15
30.51	12.6	11.9	-	12.7	0.5	8.1	4.8	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.4	66	0.005	3.11	15
30.68	12.1	11.4	-	12.3	0.5	8.0	4.6	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.2	67	0.005	3.12	15
30.84	12.0	11.3	-	12.1	0.5	8.1	4.4	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.2	66	0.005	3.11	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Depth ft	qc PS tsf	qc1n PS -	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60%	SPT R-N 60%	SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm	Ic SBT Indx	Nk -
31.01	12.3	11.6	-	12.5	0.5	8.5	4.4	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.3	65	0.005	3.10	15
31.17	12.6	11.7	-	12.7	0.5	8.5	4.4	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.3	65	0.005	3.09	15
31.33	12.2	11.3	-	12.4	0.5	8.8	4.7	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.2	67	0.005	3.12	15
31.50	11.9	11.0	-	12.1	0.5	9.1	4.7	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.1	68	0.005	3.14	15
31.66	12.2	11.2	-	12.4	0.5	9.2	4.6	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.2	67	0.005	3.12	15
31.83	11.9	11.0	-	12.1	0.5	9.4	4.6	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.1	68	0.005	3.13	15
31.99	11.6	10.6	-	11.8	0.4	11.0	4.4	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.7	2.9	68	0.005	3.13	15
32.15	10.9	9.9	-	11.1	0.4	11.2	4.1	3	silty CLAY to CLAY	115	1.5	7	7	3	-	-	0.7	2.7	69	0.005	3.15	15
32.32	10.7	9.7	-	10.9	0.3	11.3	3.7	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.7	2.6	68	0.005	3.13	15
32.48	10.0	9.0	-	10.2	0.3	11.7	3.5	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.6	2.4	69	0.005	3.15	15
32.65	9.5	8.5	-	9.7	0.3	12.1	3.6	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.3	71	0.005	3.18	15
32.81	9.6	8.6	-	9.8	0.3	13.1	3.3	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.3	69	0.005	3.15	15
32.97	9.7	8.7	-	10.0	0.3	13.4	3.3	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.3	69	0.005	3.15	15
33.14	9.5	8.4	-	9.7	0.3	14.2	3.8	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.2	73	0.005	3.20	15
33.30	10.1	9.0	-	10.4	0.3	15.1	3.8	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.6	2.4	70	0.005	3.17	15
33.47	11.1	9.8	-	11.4	0.3	15.7	3.5	3	silty CLAY to CLAY	115	1.5	7	7	3	-	-	0.7	2.7	66	0.005	3.11	15
33.63	10.3	9.1	-	10.7	0.3	15.8	3.6	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.7	2.4	69	0.005	3.15	15
33.79	9.4	8.2	-	9.7	0.3	16.3	3.8	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.2	74	0.005	3.21	15
33.96	9.5	8.3	-	9.8	0.3	17.2	3.5	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.2	72	0.005	3.19	15
34.12	9.6	8.4	-	10.0	0.3	17.9	3.4	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.2	71	0.005	3.18	15
34.29	9.2	7.9	-	9.5	0.3	18.3	3.6	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.1	74	0.005	3.21	15
34.45	9.2	7.9	-	9.5	0.2	19.0	3.3	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.0	73	0.005	3.20	15
34.61	8.5	7.3	-	8.9	0.2	19.4	3.3	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.5	1.8	76	0.005	3.23	15
34.78	8.6	7.3	-	9.0	0.3	20.4	3.9	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.5	1.9	78	0.005	3.27	15
34.94	9.5	8.2	-	10.0	0.3	21.1	3.6	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.1	73	0.005	3.20	15
35.11	10.0	8.5	-	10.5	0.3	25.1	3.7	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.6	2.2	72	0.005	3.18	15
35.27	10.2	8.6	-	10.7	0.3	25.5	3.4	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.6	2.3	70	0.005	3.16	15
35.43	10.7	9.1	-	11.2	0.2	25.6	2.7	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.7	2.4	64	0.005	3.08	15
35.60	9.5	8.0	-	10.0	0.2	25.3	3.0	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.1	71	0.005	3.17	15
35.76	9.2	7.7	-	9.7	0.2	26.3	2.7	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.0	70	0.005	3.17	15
35.93	9.0	7.6	-	9.6	0.2	26.1	2.6	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	1.9	70	0.005	3.16	15
36.09	8.5	7.1	-	9.0	0.2	26.5	2.7	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.5	1.8	73	0.005	3.20	15
36.26	8.2	6.8	-	8.8	0.4	27.4	5.9	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.5	1.7	90	0.005	3.40	15
36.42	8.4	6.9	-	8.9	0.5	28.6	8.4	2	Organic SOILS - Peats	100	1.0	7	8	3	-	-	0.8	1.7	95	0.100	3.49	10
36.58	21.5	17.7	-	22.1	0.6	30.3	3.1	3	silty CLAY to CLAY	115	1.5	12	14	5	-	-	1.4	5.3	48	0.005	2.84	15
36.75	40.4	35.5	88.0	40.5	0.7	7.4	1.8	5	silty SAND to sandy SILT	120	3.0	12	13	8	33	34	-	-	28	0.200	2.44	16
36.91	43.2	38.0	88.0	43.2	0.7	0.2	1.7	5	silty SAND to sandy SILT	120	3.0	13	14	9	35	34	-	-	26	0.200	2.40	16
37.08	44.1	38.7	81.7	44.1	0.6	-4.1	1.4	5	silty SAND to sandy SILT	120	3.0	13	15	9	36	35	-	-	24	0.200	2.35	16
37.24	27.2	22.1	-	27.1	0.9	-5.1	3.5	4	clayy SILT to silty CLAY	115	2.0	11	14	6	-	-	1.8	6.7	45	0.070	2.79	15
37.40	15.8	12.8	-	15.8	1.0	-2.9	7.2	3	silty CLAY to CLAY	115	1.5	9	11	5	-	-	1.0	3.7	72	0.005	3.19	15
37.57	22.5	18.2	-	22.5	1.0	-1.1	4.8	3	silty CLAY to CLAY	115	1.5	12	15	6	-	-	1.5	5.4	55	0.005	2.95	15
37.73	65.0	56.6	106.7	65.0	1.1	-0.8	1.8	5	silty SAND to sandy SILT	120	3.0	19	22	12	48	37	-	-	22	0.200	2.28	16
37.90	87.7	76.2	98.9	87.6	0.8	-4.0	1.0	6	clean SAND to silty SAND	125	5.0	15	18	15	58	39	-	-	13	0.350	2.00	16
38.06	92.1	79.9	103.3	92.0	0.9	-5.3	1.0	6	clean SAND to silty SAND	125	5.0	16	18	16	60	39	-	-	13	0.350	2.00	16
38.22	92.5	80.1	103.8	92.4	0.9	-6.3	1.0	6	clean SAND to silty SAND	125	5.0	16	19	16	60	39	-	-	13	0.350	2.00	16
38.39	88.3	76.3	98.8	88.3	0.8	-2.6	0.9	6	clean SAND to silty SAND	125	5.0	15	18	15	58	39	-	-	13	0.350	2.00	16
38.55	84.5	72.8	101.8	84.4	1.0	-6.5	1.2	5	silty SAND to sandy SILT	120	3.0	24	28	15	57	38	-	-	15	0.200	2.07	16
38.72	84.8	73.0	103.7	84.7	1.0	-7.7	1.2	5	silty SAND to sandy SILT	120	3.0	24	28	15	57	38	-	-	15	0.200	2.08	16
38.88	91.2	78.3	96.3	91.0	0.7	-8.2	0.8	6	clean SAND to silty SAND	125	5.0	16	18	15	59	39	-	-	11	0.350	1.94	16
39.04	111.9	95.9	113.7	111.7	1.0	-9.6	0.9	6	clean SAND to silty SAND	125	5.0	19	22	18	66	40	-	-	10	0.350	1.90	16
39.21	135.6	116.0	125.9	135.4	0.9	-9.8	0.7	6	clean SAND to silty SAND	125	5.0	23	27	21	72	41	-	-	7	0.350	1.77	16
39.37	124.0	105.9	120.1	123.8	1.0	-10.2	0.8	6	clean SAND to silty SAND	125	5.0	21	25	20	69	40	-	-	9	0.350	1.84	16
39.54	109.1	93.0	108.1	109.0	0.8	-8.0	0.8	6	clean SAND to silty SAND	125	5.0	19	22	17	65	40	-	-	10	0.350	1.87	16
39.70	112.9	96.0	103.5	112.7	0.6	-6.2	0.5	6	clean SAND to silty SAND	125	5.0	19	23	17	66	40	-	-	7	0.350	1.76	16
39.86	116.4	98.8	101.0	116.3	0.4	-6.1	0.4	6	clean SAND to silty SAND	125	5.0	20	23	17	67	40	-	-	6	0.350	1.68	16
40.03	125.1	105.9	112.1	124.9	0.6	-6.4	0.5	6	clean SAND to silty SAND	125	5.0	21	25	19	69	40	-	-	7	0.350	1.73	16
40.19	118.4	100.1	120.3	118.3	1.1	-6.8	1.0	6	clean SAND to silty SAND	125	5.0	20	24	19	67	40	-	-	11	0.350	1.91	16
40.36	95.4	80.4	128.5	95.2	1.7	-6.3	1.9	5	silty SAND to sandy SILT	120	3.0	27	32	17	60	39	-	-	18	0.200	2.17	16
40.52	66.2	55.8	128.3	66.1	1.7	-5.7	2.7	5	silty SAND to sandy SILT	120	3.0	19	22	13	48	37	-	-	26	0.200	2.40	16
40.68	35.0	26.2	-	34.9	1.2	-4.2	3.8	4	clayy SILT to silty CLAY	115	2.0	13	17	7	-	-	2.4	8.1	43	0.070	2.75	15
40.85	24.9	18.6	-	24.9	0.8	-2.4	3.7	3	silty CLAY to CLAY	115	1.5	12	17	5	-	-	1.7	5.6	50	0.005	2.87	15
41.01	19.5	14.5	-	19.5	0.7	-0.2	4.2	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.2	58	0.005	2.99	15
41.18	19.1	14.2	-	19.1	0.7	-0.1	4.4	3	silty CLAY to CLAY	115	1.5	9	13	5	-	-	1.3	4.1	60	0.005	3.02	15
41.34	17.9	13.2	-	17.9	0.6	0.1	3.7	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.8	59	0.005	3.00	15
41.50	16.1	11.9	-	16.1	0.5	0.2	3.6	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.0	3.3	61	0.005	3.04	15
41.67	14.6	10.7	-	14.6	0.4	0.3	3.4	3	silty CLAY to CLAY	115	1.5	7	10	4	-	-	0.9	2.9	63	0.005	3.07	15
41.83	12.2	8.9	-	12.2	0.4	1.1	3.8	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.4	71	0.005	3.18	15
42.00	12.6	9.2	-	12.6	0.4	1.3	3.6	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.5	69	0.005	3.15	15
42.16	13.6	9.9	-	13.6	0.4	1.5	3.7	3	silty CLAY to CLAY	115	1.5	7	9	3	-	-	0.9	2.7	67	0.005	3.12	15
42.32	14.9	10.8	-	15.0	0.3	1.9	2.7	3	silty CLAY to CLAY	115	1.5	7	10	3	-	-	1.0	3.0	59	0.005	3.01	15
42.49	15.9	11.5	-	15.9	0.3	2.0	2.1	3	silty CLAY to CLAY	115	1.5	8	11	3	-	-	1.0	3.2	53	0.005	2.92	15
42.65	14.1	10.2	-	14.2	0.2	2.5	1.5	4	clayy SILT to silty CLAY	115	2.0	5	7	3	-	-	0.9	2.8	52	0.070	2.91	15
42.82	13.6	9.8	-	13.6	0.1	3.1	1.4	4	clayy SILT to silty CLAY	115	2.0	5	7	3	-	-	0.9	2.6	52	0.070	2.90	15
42.98	12.0	8.6	-	12.1	0.2	3.6	1.8	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.3	60	0.005	3.02	15
43.15	11.9	8.5	-	12.0	0.2	4.2	1.9	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.7	2.2	61	0.005	3.04	15
43.31	12.3	8.8	-	12.4	0.2	4.7	2.4	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.3	63	0.005	3.07	15
43.47	13.0	9.2	-	13.1	0.3	5.0	2.5	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.8	2.4	63	0.005	3.06	15
43.64	14.2	10.1	-	14.4	0.3	5.3	2.6	3	silty CLAY to CLAY	115	1.5	7	9	3	-	-	0.9	2.7	61	0.005	3.03	15
43.80	15.1	10.7	-	15.2	0.4	5.6	2.8	3	silty CLAY to CLAY	115	1.5	7	10	3	-	-	1.0	2.9	60	0.005	3.03	15
43.97	15.2	10.7	-	15.3	0.4	5.8	3.0	3	silty CLAY to CLAY	115	1.5	7	10	3	-	-	1.0	2.9	61	0.005	3.03	15

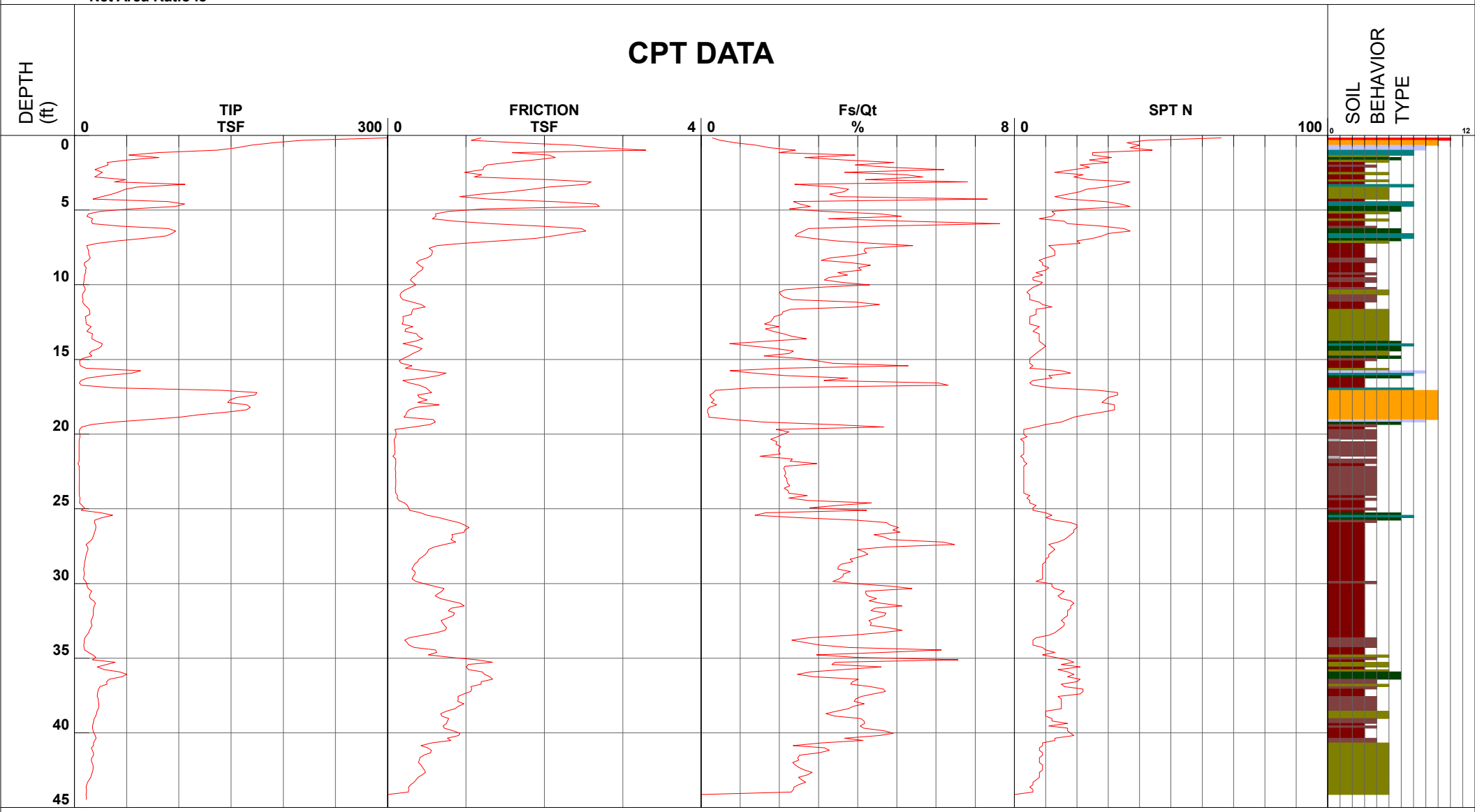
* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Cornerstone Earth Group

Project	1355 California Circle	Operator	BH-AJ	Filename	SDF(371).cpt
Job Number	461-16-2	Cone Number	DDG1496	GPS	
Hole Number	CPT-04	Date and Time	11/12/2020 10:41:57 AM	Maximum Depth	44.45 ft
EST GW Depth During Test		0.00 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

Cornerstone Earth Group

Location	1355 California Circle	Operator	BH-AJ	
Job Number	461-16-2	Cone Number	DDG1496	GPS
Hole Number	CPT-04	Date and Time	11/12/2020 10:41:57 AM	
Equilized Pressure	3.8	EST GW Depth During Test	9.8	



1355 California Circle

Project ID: Cornerstone Earth Group
Data File: SDF(371).cpt
CPT Date: 11/12/2020 10:41:57 AM
GW During Test: 10 ft

Sounding ID: CPT-04
Project No: 461-16-2
Cone/Rig: DDG1496

Depth ft	qc PS tsf	qc1n PS -	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60%	SPT R-N 60%	SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm	Ic SBT Indx	Nk -
0.33	217.5	348.8	348.8	217.5	1.1	0.9	0.5	7	grvly SAND to dense SAND	130	6.0	58	36	54	95	48	-	-	5	1.000	1.30	16
0.49	190.1	304.8	304.8	190.1	1.7	0.2	0.9	6	clean SAND to silty SAND	125	5.0	61	38	51	95	48	-	-	5	0.350	1.53	16
0.66	168.8	270.7	284.5	168.8	2.4	0.2	1.4	6	clean SAND to silty SAND	125	5.0	54	34	48	95	48	-	-	6	0.350	1.72	16
0.82	156.1	250.3	279.4	156.1	2.7	0.2	1.7	6	clean SAND to silty SAND	125	5.0	50	31	46	95	48	-	-	8	0.350	1.81	16
0.98	136.7	219.2	274.3	136.7	3.3	0.4	2.4	6	clean SAND to silty SAND	125	5.0	44	27	42	93	48	-	-	12	0.350	1.96	16
1.15	79.8	128.0	173.8	79.9	1.6	0.8	2.0	5	silty SAND to sandy SILT	120	3.0	43	27	26	75	48	-	-	14	0.200	2.04	16
1.31	52.3	83.9	188.9	52.3	2.1	0.3	3.9	4	clayy SILT to silty CLAY	115	2.0	42	26	19	-	-	3.7	9.9	26	0.070	2.39	15
1.48	80.9	129.7	196.4	80.9	2.1	0.3	2.6	5	silty SAND to sandy SILT	120	3.0	43	27	27	76	48	-	-	17	0.200	2.13	16
1.64	51.1	82.0	179.3	51.1	1.9	-0.1	3.7	4	clayy SILT to silty CLAY	115	2.0	41	26	19	-	-	3.6	9.9	25	0.070	2.37	15
1.80	31.4	50.3	-	31.4	1.5	0.2	4.9	4	clayy SILT to silty CLAY	115	2.0	25	16	13	-	-	2.2	9.9	36	0.070	2.61	15
1.97	32.2	51.6	150.6	32.2	1.3	-0.3	4.0	4	clayy SILT to silty CLAY	115	2.0	26	16	13	-	-	2.3	9.9	32	0.070	2.53	15
2.13	25.2	40.4	-	25.2	1.2	-0.3	4.9	3	silty CLAY to CLAY	115	1.5	27	17	11	-	-	1.8	9.9	39	0.005	2.67	15
2.30	19.6	31.5	-	19.7	1.2	2.1	6.3	3	silty CLAY to CLAY	115	1.5	21	13	9	-	-	1.4	9.9	47	0.005	2.82	15
2.46	26.8	43.0	133.8	26.8	1.0	2.1	3.7	4	clayy SILT to silty CLAY	115	2.0	21	13	11	-	-	1.9	9.9	34	0.070	2.56	15
2.62	22.9	36.7	-	22.9	1.2	1.4	5.3	3	silty CLAY to CLAY	115	1.5	24	15	10	-	-	1.6	9.9	42	0.005	2.72	15
2.79	19.5	31.3	-	19.6	1.1	3.9	5.7	3	silty CLAY to CLAY	115	1.5	21	13	9	-	-	1.4	9.9	46	0.005	2.80	15
2.95	49.2	78.9	190.7	49.3	2.1	4.1	4.2	4	clayy SILT to silty CLAY	115	2.0	39	25	19	-	-	3.5	9.9	27	0.070	2.42	15
3.12	38.2	61.2	-	38.3	2.6	3.9	6.8	3	silty CLAY to CLAY	115	1.5	41	25	16	-	-	2.7	9.9	38	0.005	2.66	15
3.28	105.8	169.7	226.4	105.8	2.5	-1.4	2.4	5	silty SAND to sandy SILT	120	3.0	57	35	34	84	48	-	-	14	0.200	2.02	16
3.45	60.6	97.1	188.0	60.5	2.1	-1.0	3.4	5	silty SAND to sandy SILT	120	3.0	32	20	22	66	46	-	-	22	0.200	2.30	16
3.61	48.8	78.2	178.5	48.8	1.8	-0.2	3.8	4	clayy SILT to silty CLAY	115	2.0	39	24	18	-	-	3.4	9.9	26	0.070	2.39	15
3.77	42.9	68.8	164.9	42.9	1.6	-0.3	3.7	4	clayy SILT to silty CLAY	115	2.0	34	21	16	-	-	3.0	9.9	27	0.070	2.42	15
3.94	36.0	57.7	143.4	35.9	1.2	-0.8	3.3	4	clayy SILT to silty CLAY	115	2.0	29	18	14	-	-	2.5	9.9	28	0.070	2.44	15
4.10	26.2	42.0	130.2	26.2	0.9	-1.0	3.6	4	clayy SILT to silty CLAY	115	2.0	21	13	11	-	-	1.8	9.9	34	0.070	2.56	15
4.27	17.7	28.3	-	17.6	1.3	-1.5	7.4	3	silty CLAY to CLAY	115	1.5	19	12	9	-	-	1.2	9.9	53	0.005	2.91	15
4.43	89.4	143.3	200.1	89.3	2.1	-1.3	2.4	5	silty SAND to sandy SILT	120	3.0	48	30	29	79	46	-	-	15	0.200	2.07	16
4.59	105.4	169.0	230.3	105.3	2.7	-2.4	2.5	5	silty SAND to sandy SILT	120	3.0	56	35	34	84	47	-	-	14	0.200	2.04	16
4.76	96.9	155.4	226.5	96.9	2.7	-3.4	2.8	5	silty SAND to sandy SILT	120	3.0	52	32	32	82	47	-	-	16	0.200	2.10	16
4.92	53.7	86.2	144.1	53.7	1.2	-4.2	2.3	5	silty SAND to sandy SILT	120	3.0	29	18	18	62	44	-	-	19	0.200	2.20	16
5.09	24.8	39.7	120.0	24.7	0.8	-4.7	3.2	4	clayy SILT to silty CLAY	115	2.0	20	12	10	-	-	1.7	9.9	33	0.070	2.55	15
5.25	13.4	21.5	-	13.3	0.6	-4.3	4.7	3	silty CLAY to CLAY	115	1.5	14	9	6	-	-	0.9	9.9	50	0.005	2.86	15
5.41	12.0	19.3	-	12.0	0.6	-1.8	5.3	3	silty CLAY to CLAY	115	1.5	13	8	6	-	-	0.8	9.9	54	0.005	2.93	15
5.58	17.5	28.0	-	17.5	0.6	-0.9	3.3	4	clayy SILT to silty CLAY	115	2.0	14	9	7	-	-	1.2	9.9	39	0.070	2.67	15
5.74	16.3	26.2	-	16.3	0.9	-1.8	5.4	3	silty CLAY to CLAY	115	1.5	17	11	8	-	-	1.1	9.9	48	0.005	2.84	15
5.91	17.3	27.8	-	17.3	1.3	-1.2	7.8	3	silty CLAY to CLAY	115	1.5	19	12	9	-	-	1.2	9.9	54	0.005	2.93	15
6.07	43.3	69.5	188.0	43.4	2.0	0.6	4.5	4	clayy SILT to silty CLAY	115	2.0	35	22	17	-	-	3.0	9.9	30	0.070	2.49	15
6.23	90.2	144.5	214.4	90.2	2.5	-0.9	2.8	5	silty SAND to sandy SILT	120	3.0	48	30	30	79	45	-	-	16	0.200	2.12	16
6.40	96.9	153.3	218.3	96.9	2.5	-0.9	2.6	5	silty SAND to sandy SILT	120	3.0	51	32	31	81	45	-	-	15	0.200	2.08	16
6.56	93.3	145.7	206.3	93.3	2.3	-1.1	2.5	5	silty SAND to sandy SILT	120	3.0	49	31	29	79	45	-	-	15	0.200	2.08	16
6.73	87.7	135.2	194.2	87.7	2.1	-1.4	2.4	5	silty SAND to sandy SILT	120	3.0	45	29	28	77	45	-	-	15	0.200	2.09	16
6.89	66.0	100.6	175.7	66.0	1.9	-2.0	2.9	5	silty SAND to sandy SILT	120	3.0	34	22	22	67	43	-	-	20	0.200	2.23	16
7.05	41.4	62.3	152.9	41.4	1.4	-2.4	3.5	4	clayy SILT to silty CLAY	115	2.0	31	21	15	-	-	2.9	9.9	28	0.070	2.43	15
7.22	22.0	35.3	-	21.9	1.0	-3.9	4.5	4	clayy SILT to silty CLAY	115	2.0	18	11	9	-	-	1.5	9.9	40	0.070	2.69	15
7.38	11.7	18.7	-	11.6	0.6	-4.6	5.6	3	silty CLAY to CLAY	115	1.5	12	8	6	-	-	0.8	8.5	56	0.005	2.96	15
7.55	12.6	20.2	-	12.5	0.5	-3.5	4.3	3	silty CLAY to CLAY	115	1.5	13	8	6	-	-	0.9	9.0	50	0.005	2.86	15
7.71	13.7	22.0	-	13.6	0.6	-3.1	4.3	3	silty CLAY to CLAY	115	1.5	15	9	6	-	-	0.9	9.6	48	0.005	2.83	15
7.87	13.5	21.6	-	13.4	0.6	-3.1	4.4	3	silty CLAY to CLAY	115	1.5	14	9	6	-	-	0.9	9.3	49	0.005	2.84	15
8.04	14.1	22.6	-	14.0	0.6	-2.9	4.1	3	silty CLAY to CLAY	115	1.5	15	9	6	-	-	1.0	9.5	46	0.005	2.81	15
8.20	15.3	24.5	-	15.2	0.5	-3.0	3.4	4	clayy SILT to silty CLAY	115	2.0	12	8	7	-	-	1.0	9.9	42	0.070	2.73	15
8.37	13.2	21.1	-	13.1	0.4	-3.3	3.2	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	0.9	8.5	44	0.070	2.76	15
8.53	9.6	15.4	-	9.6	0.4	-2.5	4.0	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	6.0	55	0.005	2.94	15
8.69	9.3	15.0	-	9.3	0.4	-2.1	4.6	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	5.7	58	0.005	2.99	15
8.86	11.3	18.1	-	11.3	0.5	-2.0	4.2	3	silty CLAY to CLAY	115	1.5	12	8	5	-	-	0.8	6.8	52	0.005	2.90	15
9.02	10.6	17.0	-	10.5	0.4	-2.2	4.3	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	6.3	54	0.005	2.93	15
9.19	11.0	17.6	-	10.9	0.4	-1.9	3.7	3	silty CLAY to CLAY	115	1.5	12	7	5	-	-	0.7	6.4	50	0.005	2.87	15
9.35	9.6	15.4	-	9.6	0.4	-2.1	4.0	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	5.5	54	0.005	2.94	15
9.51	9.6	15.5	-	9.6	0.3	-1.8	3.5	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	5.4	52	0.005	2.90	15
9.68	9.1	14.7	-	9.1	0.3	-1.7	3.4	3	silty CLAY to CLAY	115	1.5	10	6	4	-	-	0.6	5.0	53	0.005	2.91	15
9.84	8.9	14.3	-	8.9	0.3	-1.8	3.9	3	silty CLAY to CLAY	115	1.5	10	6	4	-	-	0.6	4.8	56	0.005	2.96	15
10.01	8.4	13.4	-	8.3	0.4	-1.6	4.6	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.5	4.4	61	0.005	3.03	15
10.17	9.8	15.8	-	9.8	0.3	-1.6	3.2	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	5.2	50	0.005	2.87	15
10.34	10.6	16.9	-	10.5	0.2	-1.6	2.3	4	clayy SILT to silty CLAY	115	2.0	8	5	5	-	-	0.7	5.6	44	0.070	2.76	15
10.50	8.8	14.1	-	8.8	0.2	-1.4	2.2	4	clayy SILT to silty CLAY	115	2.0	7	4	4	-	-	0.6	4.5	47	0.070	2.82	15
10.66	7.8	12.4	-	7.7	0.2	-1.5	2.2	4	clayy SILT to silty CLAY	115	2.0	6	4	4	-	-	0.5	3.9	50	0.070	2.88	15
10.83	7.8	12.5	-	7.8	0.2	-1.4	2.3	4	clayy SILT to silty CLAY	115	2.0	6	4	4	-	-	0.5	3.9	51	0.070	2.88	15
10.99	8.4	13.4	-	8.3	0.2	-1.3	2.5	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.5	4.2	51	0.005	2.88	15
11.16	8.0	12.8	-	7.9	0.3	-1.1	4.3	3	silty CLAY to CLAY	115	1.5	9	5	4	-	-	0.5	3.9	61	0.005	3.03	15
11.32	9.4	15.1	-	9.4	0.4	-0.9	4.9	3	silty CLAY to CLAY	115	1.5	10	6	5	-	-	0.6	4.7	59	0.005	3.01	15
11.48	12.0	19.3	-	12.0	0.5	-0.9	4.2	3	silty CLAY to CLAY	115	1.5	13	8	6	-	-	0.8	6.0	51	0.005	2.88	15
11.65	14.1	22.5	-	14.1	0.3	0.5	2.4	4	clayy SILT to silty CLAY	115	2.0	11	7	6	-	-	1.0	7.1	39	0.070	2.67	15
11.81	14.8	23.6	-	14.8	0.3	0.7	2.2	4	clayy SILT to silty CLAY	115	2.0	12	7	6	-	-	1.0	7.4	37	0.070	2.63	15
11.98	14.7	23.2	-	14.7	0.3	0.2	2.2	4	clayy SILT to silty CLAY	115	2.0	12	7	6	-	-	1.0	7.3	37	0.070	2.63	15
12.14	10.4	16.4	-	10.5	0.2	0.2	2.0	4	clayy SILT to silty CLAY	115	2.0	8	5	5	-	-	0.7	5.0	43	0.070	2.75	15
12.30	10.8	16.9	-	10.8	0.2	0.3	2.0	4	clayy SILT to silty CLAY	115	2.0	8	5	5	-	-	0.7	5.2	42	0.070	2.73	15
12.47	11.0	17.1	-	11.1	0.2	0.5	1.9	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.7	5.3	41	0.070	2.72	15
12.63	11.3	17.4	-	11.3	0.2	0.8	1.7	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.4	40	0.070	2.69	15
12.80	16.1	24.5	-	16.1	0.3	0.8	2.1	4	clayy SILT to silty CLAY	115	2.0	12	8	6	-	-	1.1	7.7	36	0.070	2.60	15
12.96	13.9	21.1	-	13.9	0.2	0.7	1.7	4	clayy SILT to silty CLAY	115	2.0	11	7	5	-	-	0.9	6.6	36	0.070	2.62	15
13.12	11.9	18.0	-	11.9	0.2	0.7	2.0	4	clayy SILT to silty CLAY	115	2.0	9	6	5	-	-	0.8	5.6	41	0.070	2.71	15
13.29	17.4	22.7	-	17.4	0.4	0.8	2.2	4	clayy SILT to silty CLAY	115	2.0	11	9	6	-	-	1.2	8.2	38	0.070	2.65	15
13.45	16.9	25.2	-	16.9	0.4	1.0	2.4	4	clayy SILT to silty CLAY	115	2.0	13	8	7	-	-	1.1	7.9	37	0.070	2.64	15
13.62	16.6	24.5	-	16.6	0.4	1.1	2.8	4	clayy SILT to silty CLAY	115	2.0	12	8	7	-	-	1.1	7.7	40	0.070	2.69	15
13.78	20.9	24.6	75.9	20.9	0.4	1.0	1.8	4	clayy SILT to silty CLAY	115	2.0	12	10	6	-	-	1.4	9.7	33	0.070	2.56	15
13.94	26.7	31.3	58.2	26.7	0.2	0.7	0.8	5	silty SAND to sandy SILT	120	3.0	10	9	7	29	35	-	-	21	0.200	2.27	16
14.11	25.9	30.3	72.2	25.9	0.3	-0.7	1.4	5	silty SAND to sandy SILT	120	3.0	10	9	7	28	35	-	-	27	0.200	2.42	16
14.27	22.9	26.7	82.1	22.9	0.4	-1.1	2.0	4	clayy SILT to silty CLAY	115	2.0	13	11	7	-	-	1.6	9.9	33	0.070	2.56	15
14.44	16.7	23.9	-	16.7	0.4	-1.1	2.5	4	clayy SILT to silty CLAY	115	2.0	12	8	6	-	-	1.1	7.5	38	0.070	2.66	15
14.60	14.2	20.2	-	14.2	0.3	-0.7	2.4	4	clayy SILT to silty CLAY	115	2.0	10	7	5	-	-	1.0	6.3	41	0.070	2.71	15
14.76	16.7	20.9	-	16.7	0.3	-1.0	1.7	4	clayy SILT to silty CLAY	115	2.0	10	8	5	-	-	1.1	7.4	36	0.070	2.61	15
14.93	8.0	11.2	-	8.0	0.2	-0.7	2.8	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	3.3	57	0.005	2.98	15
15.09	4.9	6.8	-	4.9	0.1	-0.1	3.6	3	silty CLAY to CLAY	115	1.5	5	3	3	-	-	0.3	1.9	77	0.005	3.25	15
15.26	5.2	7.2	-	5.2	0.2	0.3	4.1	3	silty CLAY to CLAY	115	1.5	5	3	3	-	-	0.3	2.0	77	0.005	3.25	15
15.42	5.8	8.0	-	5.8	0.3	0.5	6.3	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.2	83	0.005	3.32	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Middle Earth Geo Testing

Project ID: Cornerstone Earth Group
Data File: SDF(371).cpt
CPT Date: 11/12/2020 10:41:57 AM
GW During Test: 10 ft

Depth ft	qc PS tsf	qc1n PS - *	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60%	SPT R-N 60%	SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm	Ic SBT Indx *	Nk -
15.58	10.8	14.8	-	10.8	0.2	1.0	2.3	4	clayy SILT to silty CLAY	115	2.0	7	5	4	-	-	0.7	4.5	47	0.070	2.82	15
15.75	63.3	71.8	89.5	63.3	0.5	1.0	0.8	6	clean SAND to silty SAND	125	5.0	14	13	14	56	40	-	-	12	0.350	1.96	16
15.91	54.9	62.1	98.4	54.9	0.7	0.5	1.4	5	silty SAND to sandy SILT	120	3.0	21	18	13	51	39	-	-	18	0.200	2.17	16
16.08	29.9	33.7	94.3	30.0	0.6	0.7	2.2	4	clayy SILT to silty CLAY	115	2.0	17	15	8	-	-	2.1	9.9	31	0.070	2.51	15
16.24	12.3	16.5	-	12.4	0.5	1.9	4.1	3	silty CLAY to CLAY	115	1.5	11	8	5	-	-	0.8	5.0	54	0.005	2.93	15
16.40	6.2	8.2	-	6.3	0.2	4.3	3.7	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.3	71	0.005	3.18	15
16.57	4.6	6.1	-	4.8	0.3	7.7	7.7	2	Organic SOILS - Peats	100	1.0	6	5	3	-	-	0.4	1.6	95	0.100	3.49	10
16.73	6.4	8.4	-	6.6	0.4	9.5	7.4	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.4	85	0.005	3.35	15
16.90	38.3	42.6	80.8	38.5	0.5	9.3	1.3	5	silty SAND to sandy SILT	120	3.0	14	13	9	39	37	-	-	22	0.200	2.28	16
17.06	141.7	157.0	157.0	141.7	0.5	2.7	0.4	6	clean SAND to silty SAND	125	5.0	31	28	26	82	44	-	-	5	0.350	1.50	16
17.23	174.8	193.1	193.1	174.9	0.6	2.7	0.3	6	clean SAND to silty SAND	125	5.0	39	35	31	89	45	-	-	5	0.350	1.39	16
17.39	172.8	190.3	190.3	172.9	0.4	2.0	0.2	6	clean SAND to silty SAND	125	5.0	38	35	30	88	45	-	-	5	0.350	1.32	16
17.55	155.1	170.2	170.2	155.1	0.4	1.2	0.3	6	clean SAND to silty SAND	125	5.0	34	31	27	85	44	-	-	5	0.350	1.40	16
17.72	148.8	162.8	162.8	148.9	0.5	1.7	0.3	6	clean SAND to silty SAND	125	5.0	33	30	27	83	44	-	-	5	0.350	1.47	16
17.88	146.8	160.0	160.0	146.8	0.4	2.1	0.3	6	clean SAND to silty SAND	125	5.0	32	29	26	83	44	-	-	5	0.350	1.42	16
18.05	165.4	179.7	179.7	165.4	0.7	2.3	0.4	6	clean SAND to silty SAND	125	5.0	36	33	29	86	44	-	-	5	0.350	1.47	16
18.21	168.3	182.4	182.4	168.4	0.4	2.8	0.2	6	clean SAND to silty SAND	125	5.0	36	34	28	87	44	-	-	5	0.350	1.33	16
18.37	164.7	177.9	177.9	164.8	0.3	2.6	0.2	6	clean SAND to silty SAND	125	5.0	36	33	28	86	44	-	-	5	0.350	1.30	16
18.54	145.0	156.1	156.1	145.0	0.2	1.6	0.2	6	clean SAND to silty SAND	125	5.0	31	29	25	82	43	-	-	5	0.350	1.36	16
18.70	119.6	128.3	128.3	119.6	0.2	0.6	0.2	6	clean SAND to silty SAND	125	5.0	26	24	21	75	42	-	-	5	0.350	1.46	16
18.87	101.0	108.1	108.1	101.1	0.2	1.7	0.2	6	clean SAND to silty SAND	125	5.0	22	20	18	70	42	-	-	5	0.350	1.54	16
19.03	70.1	74.8	94.5	70.1	0.6	2.3	0.8	6	clean SAND to silty SAND	125	5.0	15	14	15	57	40	-	-	12	0.350	1.97	16
19.19	38.1	40.5	87.6	38.1	0.6	3.0	1.6	5	silty SAND to sandy SILT	120	3.0	13	13	9	37	36	-	-	25	0.200	2.36	16
19.36	16.2	19.3	-	16.2	0.5	3.7	3.6	3	silty CLAY to CLAY	115	1.5	13	11	6	-	-	1.1	5.9	48	0.005	2.84	15
19.52	7.0	8.3	-	7.1	0.3	4.9	5.6	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.3	79	0.005	3.28	15
19.69	4.8	5.7	-	5.1	0.1	15.2	2.5	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.4	78	0.005	3.27	15
19.85	4.7	5.5	-	5.0	0.1	17.4	3.0	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.4	83	0.005	3.32	15
20.01	5.0	5.8	-	5.4	0.1	18.1	2.7	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.5	79	0.005	3.27	15
20.18	5.3	6.1	-	5.6	0.1	17.2	2.5	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.6	75	0.005	3.23	15
20.34	4.6	5.3	-	4.9	0.1	17.3	2.4	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.3	80	0.005	3.29	15
20.51	4.4	5.0	-	4.7	0.1	17.7	2.7	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.2	1.2	84	0.005	3.34	15
20.67	4.6	5.2	-	4.9	0.1	18.4	2.6	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.3	82	0.005	3.32	15
20.83	4.4	5.1	-	4.8	0.1	19.1	2.8	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	85	0.005	3.35	15
21.00	4.5	5.1	-	4.9	0.1	19.7	2.7	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	85	0.005	3.34	15
21.16	4.6	5.2	-	5.0	0.1	20.6	2.7	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	84	0.005	3.33	15
21.33	4.6	5.1	-	5.0	0.1	21.3	2.8	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	85	0.005	3.34	15
21.49	4.5	5.0	-	4.9	0.1	22.5	2.1	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	81	0.005	3.30	15
21.65	4.4	4.9	-	4.9	0.1	23.7	3.3	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.2	1.2	90	0.005	3.40	15
21.82	4.5	5.0	-	5.0	0.1	24.9	3.2	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	88	0.005	3.38	15
21.98	3.5	3.8	-	4.0	0.1	29.3	4.7	3	silty CLAY to CLAY	115	1.5	3	2	2	-	-	0.2	0.8	95	0.005	3.62	15
22.15	4.6	5.1	-	5.2	0.1	30.9	3.0	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	87	0.005	3.36	15
22.31	4.5	4.9	-	5.2	0.1	32.2	3.0	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	88	0.005	3.38	15
22.47	4.7	5.1	-	5.3	0.1	33.4	3.0	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	87	0.005	3.37	15
22.64	4.7	5.1	-	5.4	0.1	34.7	3.0	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	87	0.005	3.37	15
22.80	4.8	5.1	-	5.5	0.1	35.4	3.0	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	86	0.005	3.36	15
22.97	4.7	5.0	-	5.4	0.1	36.1	3.1	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	88	0.005	3.38	15
23.13	4.7	5.0	-	5.4	0.1	37.0	3.1	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	89	0.005	3.39	15
23.30	4.7	4.9	-	5.4	0.1	37.7	3.1	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	89	0.005	3.39	15
23.46	4.5	4.8	-	5.3	0.1	37.9	3.2	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.1	91	0.005	3.42	15
23.62	4.6	4.8	-	5.4	0.1	39.2	3.0	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.1	89	0.005	3.40	15
23.79	4.5	4.7	-	5.3	0.1	39.9	3.2	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.2	1.1	92	0.005	3.43	15
23.95	4.6	4.8	-	5.4	0.1	40.5	3.2	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.1	91	0.005	3.41	15
24.12	4.7	4.9	-	5.5	0.1	41.2	3.9	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.1	94	0.005	3.45	15
24.28	5.3	5.5	-	6.1	0.1	41.6	3.1	3	silty CLAY to CLAY	115	1.5	4	4	2	-	-	0.3	1.3	84	0.005	3.33	15
24.44	5.2	5.3	-	5.9	0.1	35.7	3.8	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	1.3	89	0.005	3.40	15
24.61	4.9	5.0	-	5.7	0.2	39.5	6.1	3	silty CLAY to CLAY	115	1.5	3	3	2	-	-	0.3	1.2	95	0.005	3.54	15
24.77	7.2	7.4	-	8.0	0.3	40.2	4.4	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.4	1.9	79	0.005	3.28	15
24.94	9.6	9.7	-	9.8	0.3	12.6	3.3	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.7	65	0.005	3.09	15
25.10	6.6	6.7	-	6.8	0.3	6.4	5.4	3	silty CLAY to CLAY	115	1.5	4	4	3	-	-	0.4	1.7	88	0.005	3.38	15
25.26	25.5	24.8	76.8	25.8	0.4	13.4	1.8	4	clayy SILT to silty CLAY	115	2.0	12	13	6	-	-	1.7	8.0	33	0.070	2.56	15
25.43	36.5	35.4	78.8	36.6	0.5	5.9	1.4	5	silty SAND to sandy SILT	120	3.0	12	12	8	33	35	-	-	26	0.200	2.38	16
25.59	26.3	26.2	-	26.4	0.7	1.2	2.7	4	clayy SILT to silty CLAY	115	2.0	13	13	7	-	-	1.8	8.2	38	0.070	2.65	15
25.76	19.6	19.4	-	19.7	0.8	8.4	4.3	3	silty CLAY to CLAY	115	1.5	13	13	6	-	-	1.3	5.9	51	0.005	2.89	15
25.92	19.2	18.9	-	19.3	0.9	9.7	5.1	3	silty CLAY to CLAY	115	1.5	13	13	6	-	-	1.3	5.7	55	0.005	2.95	15
26.08	20.3	20.0	-	20.5	1.0	10.7	5.2	3	silty CLAY to CLAY	115	1.5	13	14	6	-	-	1.4	6.1	54	0.005	2.93	15
26.25	20.6	20.2	-	20.8	1.0	8.2	5.4	3	silty CLAY to CLAY	115	1.5	13	14	6	-	-	1.4	6.2	55	0.005	2.94	15
26.41	20.1	19.6	-	20.3	1.0	8.6	5.3	3	silty CLAY to CLAY	115	1.5	13	13	6	-	-	1.3	6.0	55	0.005	2.95	15
26.58	19.3	18.7	-	19.4	1.0	9.6	5.5	3	silty CLAY to CLAY	115	1.5	12	13	6	-	-	1.3	5.7	57	0.005	2.97	15
26.74	18.6	18.0	-	18.8	0.8	10.1	4.8	3	silty CLAY to CLAY	115	1.5	12	12	6	-	-	1.2	5.4	55	0.005	2.95	15
26.90	17.7	17.1	-	17.9	0.8	9.1	5.1	3	silty CLAY to CLAY	115	1.5	11	12	5	-	-	1.2	5.1	58	0.005	2.99	15
27.07	16.7	16.0	-	16.9	0.8	8.8	5.3	3	silty CLAY to CLAY	115	1.5	11	11	5	-	-	1.1	4.8	60	0.005	3.02	15
27.23	14.0	13.4	-	14.2	0.9	9.9	7.0	3	silty CLAY to CLAY	115	1.5	9	9	5	-	-	0.9	3.9	70	0.005	3.16	15
27.40	11.2	10.6	-	11.4	0.7	10.0	7.6	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	3.0	79	0.005	3.27	15
27.56	12.6	11.9	-	12.8	0.6	10.7	5.4	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.4	68	0.005	3.14	15
27.72	13.1	12.3	-	13.3	0.5	10.7	4.6	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.8	3.6	64	0.005	3.08	15
27.89	12.2	11.4	-	12.4	0.5	11.4	4.8	3	silty CLAY to CLAY	115	1.5	8	8	4	-	-	0.8	3.3	67	0.005	3.12	15
28.05	11.3	10.6	-	11.5	0.5	11.4	5.0	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.7	3.0	70	0.005	3.16	15
28.22	11.0	10.2	-	11.2	0.4	11.6	4.8	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	2.9	70	0.005	3.16	15
28.38	10.5	9.7	-	10.7	0.4	12.1	4.5	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.7	2.7	71	0.005	3.17	15
28.54	9.9	9.2	-	10.1	0.4	11.8	4.7	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.6	2.5	73	0.005	3.20	15
28.71	9.6	8.8	-	9.8	0.3	14.3	4.3	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.4	73	0.005	3.20	15
28.87	9.3	8.6	-	9.6	0.3	13.5	4.3	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.3	74	0.005	3.21	15
29.04	8.8	8.1	-	9.1	0.3	13.3	4.3	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.5	2.2	76	0.005	3.24	15
29.20	9.1	8.3	-	9.4	0.3	14.4	4.7	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.2	77	0.005	3.25	15
29.36	9.6	8.7	-	9.9	0.3	14.7	4.4	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.4	74	0.005	3.21	15
29.53	9.0	8.1	-	9.2	0.3	14.4	4.5	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.2	77	0.005	3.25	15
29.69	8.8	7.9	-	9.1	0.3	15.7	4.4	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.5	2.1	77	0.005	3.25	15
29.86	10.7	9.6	-	11.0	0.4	16.1	4.0	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.7	2.7	69	0.005	3.15	15
30.02	11.8	10.5	-	12.1	0.5	15.8	4.7	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.0	69	0.005	3.15	15
30.19	12.2	10.9	-	12.6	0.6	17.0	5.7	3	silty CLAY to CLAY	115	1.5	7	8	4	-	-	0.8	3.1	72	0.005	3.19	15
30.35	13.3	11.8	-	13.7	0.7	16.7	6.2	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.9	3.4	71	0.005	3.18	15
30.51	16.5	14.6	-	16.9	0.7	17.7	4.7	3	silty CLAY to CLAY	115	1.5	10	11	5	-	-	1.1	4.3	60	0.005	3.02	15
30.68	15.2	13.4	-	15.5	0.6	11.4	4.8	3	silty CLAY to CLAY	115	1.5	9	10	4	-	-	1.0	3.9	62	0.005	3.06	15
30.84	14.2	12.5	-	14.5	0.6	15.3	4.9	3	silty CLAY to CLAY	115	1.5	8	9	4	-	-	0.9	3.6	65	0.005	3.09	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Depth ft	qc PS tsf	qc1n PS - *	q1ncs PS -	qt PS tsf *	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description *	Unit Wght pcf	Qc to N	SPT R-N1 60% *	SPT R-N 60%	SPT IcN1 60% *	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm *	Ic SBT Indx *	Nk -
31.01	15.0	13.1	-	15.4	0.7	16.0	5.1	3	silty CLAY to CLAY	115	1.5	9	10	4	-	-	1.0	3.8	64	0.005	3.08	15
31.17	18.3	15.9	-	18.7	0.8	17.6	4.8	3	silty CLAY to CLAY	115	1.5	11	12	5	-	-	1.2	4.7	58	0.005	2.99	15
31.33	20.1	17.4	-	20.3	0.9	8.1	5.1	3	silty CLAY to CLAY	115	1.5	12	13	5	-	-	1.3	5.2	57	0.005	2.98	15
31.50	19.0	16.4	-	19.2	1.0	9.0	5.7	3	silty CLAY to CLAY	115	1.5	11	13	5	-	-	1.3	4.9	61	0.005	3.03	15
31.66	18.4	15.8	-	18.5	0.8	9.0	4.9	3	silty CLAY to CLAY	115	1.5	11	12	5	-	-	1.2	4.7	59	0.005	3.00	15
31.83	17.8	15.2	-	18.0	0.8	10.0	4.8	3	silty CLAY to CLAY	115	1.5	10	12	5	-	-	1.2	4.5	59	0.005	3.01	15
31.99	18.1	15.4	-	18.3	0.9	10.9	5.3	3	silty CLAY to CLAY	115	1.5	10	12	5	-	-	1.2	4.6	61	0.005	3.03	15
32.15	17.9	15.2	-	18.1	0.8	12.8	5.2	3	silty CLAY to CLAY	115	1.5	10	12	5	-	-	1.2	4.5	61	0.005	3.04	15
32.32	17.0	14.4	-	17.2	0.8	13.1	5.0	3	silty CLAY to CLAY	115	1.5	10	11	5	-	-	1.1	4.2	62	0.005	3.05	15
32.48	15.9	13.4	-	16.2	0.7	13.3	4.9	3	silty CLAY to CLAY	115	1.5	9	11	4	-	-	1.0	3.9	63	0.005	3.06	15
32.65	16.1	13.5	-	16.3	0.7	13.4	4.9	3	silty CLAY to CLAY	115	1.5	9	11	4	-	-	1.1	3.9	63	0.005	3.06	15
32.81	16.8	14.1	-	17.1	0.7	13.0	4.9	3	silty CLAY to CLAY	115	1.5	9	11	5	-	-	1.1	4.1	62	0.005	3.05	15
32.97	15.6	13.0	-	15.9	0.8	12.4	5.5	3	silty CLAY to CLAY	115	1.5	9	10	4	-	-	1.0	3.8	66	0.005	3.11	15
33.14	14.3	11.9	-	14.5	0.7	11.5	5.9	3	silty CLAY to CLAY	115	1.5	8	10	4	-	-	0.9	3.4	70	0.005	3.17	15
33.30	13.5	11.2	-	13.7	0.6	11.6	5.4	3	silty CLAY to CLAY	115	1.5	7	9	4	-	-	0.9	3.2	70	0.005	3.16	15
33.47	11.7	9.7	-	11.9	0.4	10.4	4.6	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.7	2.7	72	0.005	3.18	15
33.63	10.0	8.2	-	10.2	0.3	11.8	3.4	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.6	2.2	71	0.005	3.18	15
33.79	9.3	7.7	-	9.6	0.2	12.7	2.9	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.0	71	0.005	3.17	15
33.96	9.3	7.6	-	9.5	0.2	12.9	3.4	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	2.0	74	0.005	3.21	15
34.12	9.0	7.3	-	9.2	0.3	13.3	3.9	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.5	1.9	78	0.005	3.26	15
34.29	9.1	7.4	-	9.4	0.3	13.9	4.8	3	silty CLAY to CLAY	115	1.5	5	6	3	-	-	0.6	1.9	82	0.005	3.31	15
34.45	9.9	8.0	-	10.2	0.6	14.4	7.7	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.6	2.1	89	0.005	3.39	15
34.61	13.4	10.8	-	13.7	0.6	15.2	5.5	3	silty CLAY to CLAY	115	1.5	7	9	4	-	-	0.9	3.0	72	0.005	3.18	15
34.78	17.6	14.1	-	17.9	0.5	14.8	3.3	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	4.1	55	0.005	2.94	15
34.94	20.4	16.3	-	20.6	0.8	9.4	4.4	3	silty CLAY to CLAY	115	1.5	11	14	5	-	-	1.4	4.8	56	0.005	2.96	15
35.11	17.3	13.8	-	17.5	1.1	15.0	7.4	3	silty CLAY to CLAY	115	1.5	9	12	5	-	-	1.1	4.0	71	0.005	3.17	15
35.27	39.0	31.0	-	39.2	1.3	8.1	3.6	4	clayy SILT to silty CLAY	115	2.0	16	20	8	-	-	2.7	9.7	39	0.070	2.68	15
35.43	30.8	24.4	-	30.8	1.0	0.2	3.6	4	clayy SILT to silty CLAY	115	2.0	12	15	7	-	-	2.1	7.5	44	0.070	2.76	15
35.60	21.9	17.2	-	21.9	1.0	4.7	5.1	3	silty CLAY to CLAY	115	1.5	11	15	5	-	-	1.5	5.2	57	0.005	2.98	15
35.76	28.6	22.5	-	28.7	1.0	6.7	3.9	3	silty CLAY to CLAY	115	1.5	15	19	6	-	-	1.9	6.9	47	0.005	2.81	15
35.93	43.1	37.1	114.4	43.1	1.2	1.2	2.9	4	clayy SILT to silty CLAY	115	2.0	19	22	9	-	-	3.0	9.9	33	0.070	2.56	15
36.09	50.2	43.1	112.6	50.3	1.2	0.9	2.6	4	clayy SILT to silty CLAY	115	2.0	22	25	10	-	-	3.5	9.9	29	0.070	2.47	15
36.26	45.3	38.8	118.0	45.3	1.3	-0.1	3.0	4	clayy SILT to silty CLAY	115	2.0	19	23	10	-	-	3.1	9.9	33	0.070	2.55	15
36.42	33.3	25.9	-	33.3	1.3	-1.0	4.3	3	silty CLAY to CLAY	115	1.5	17	22	7	-	-	2.3	8.0	45	0.005	2.79	15
36.58	30.8	23.9	-	30.9	1.2	1.8	4.2	3	silty CLAY to CLAY	115	1.5	16	21	7	-	-	2.1	7.3	47	0.005	2.81	15
36.75	31.2	24.1	-	31.3	1.2	1.6	4.1	3	silty CLAY to CLAY	115	1.5	16	21	7	-	-	2.1	7.4	46	0.005	2.80	15
36.91	24.6	18.9	-	24.6	1.1	2.1	4.7	3	silty CLAY to CLAY	115	1.5	13	16	6	-	-	1.6	5.7	54	0.005	2.93	15
37.08	23.0	17.6	-	23.1	1.1	2.2	5.1	3	silty CLAY to CLAY	115	1.5	12	15	6	-	-	1.5	5.3	57	0.005	2.98	15
37.24	22.5	17.2	-	22.5	1.1	2.0	5.2	3	silty CLAY to CLAY	115	1.5	11	15	5	-	-	1.5	5.1	58	0.005	2.99	15
37.40	22.1	16.8	-	22.1	1.0	2.2	4.9	3	silty CLAY to CLAY	115	1.5	11	15	5	-	-	1.5	5.0	57	0.005	2.98	15
37.57	21.9	16.6	-	21.9	0.9	3.0	4.6	3	silty CLAY to CLAY	115	1.5	11	15	5	-	-	1.5	4.9	56	0.005	2.97	15
37.73	22.8	17.3	-	22.9	0.9	3.7	4.4	3	silty CLAY to CLAY	115	1.5	12	15	5	-	-	1.5	5.1	55	0.005	2.94	15
37.90	22.8	17.2	-	22.9	0.9	3.9	4.3	3	silty CLAY to CLAY	115	1.5	11	15	5	-	-	1.5	5.1	54	0.005	2.94	15
38.06	23.3	17.5	-	23.4	1.0	3.8	4.6	3	silty CLAY to CLAY	115	1.5	12	16	5	-	-	1.6	5.2	55	0.005	2.95	15
38.22	23.2	17.4	-	23.3	0.9	4.2	4.3	3	silty CLAY to CLAY	115	1.5	12	15	5	-	-	1.5	5.2	54	0.005	2.93	15
38.39	22.9	17.1	-	23.0	0.9	4.2	4.2	3	silty CLAY to CLAY	115	1.5	11	15	5	-	-	1.5	5.1	54	0.005	2.93	15
38.55	21.7	16.1	-	21.8	0.8	5.0	3.9	3	silty CLAY to CLAY	115	1.5	11	14	5	-	-	1.4	4.8	54	0.005	2.93	15
38.72	21.2	15.7	-	21.3	0.7	5.5	3.6	3	silty CLAY to CLAY	115	1.5	10	14	5	-	-	1.4	4.6	53	0.005	2.92	15
38.88	20.2	15.0	-	20.3	0.7	5.2	3.8	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.4	56	0.005	2.96	15
39.04	19.1	14.1	-	19.2	0.8	5.2	4.6	3	silty CLAY to CLAY	115	1.5	9	13	5	-	-	1.3	4.1	61	0.005	3.03	15
39.21	18.3	13.5	-	18.4	0.8	5.1	4.8	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.9	62	0.005	3.06	15
39.37	18.0	13.1	-	18.1	0.8	5.2	4.8	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.8	63	0.005	3.07	15
39.54	17.4	12.7	-	17.5	0.7	5.3	4.7	3	silty CLAY to CLAY	115	1.5	8	12	4	-	-	1.1	3.6	64	0.005	3.08	15
39.70	17.4	12.7	-	17.5	0.7	5.2	4.8	3	silty CLAY to CLAY	115	1.5	8	12	4	-	-	1.1	3.6	64	0.005	3.08	15
39.86	17.8	12.9	-	17.9	0.8	5.3	5.4	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.7	66	0.005	3.11	15
40.03	18.8	13.6	-	18.9	0.9	5.2	5.6	3	silty CLAY to CLAY	115	1.5	9	13	5	-	-	1.2	3.9	65	0.005	3.10	15
40.19	19.8	14.3	-	19.9	0.9	5.4	5.2	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.2	62	0.005	3.06	15
40.36	20.7	14.9	-	20.9	0.8	6.2	4.1	3	silty CLAY to CLAY	115	1.5	10	14	5	-	-	1.4	4.4	57	0.005	2.98	15
40.52	19.5	14.0	-	19.6	0.8	6.1	4.7	3	silty CLAY to CLAY	115	1.5	9	13	5	-	-	1.3	4.0	61	0.005	3.04	15
40.68	18.3	13.0	-	18.4	0.6	6.4	3.5	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.7	58	0.005	2.99	15
40.85	18.1	12.9	-	18.2	0.4	6.3	2.7	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.7	54	0.005	2.93	15
41.01	16.1	11.4	-	16.3	0.5	7.2	3.7	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.0	3.2	62	0.005	3.06	15
41.18	17.0	12.0	-	17.2	0.6	7.7	3.8	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.4	62	0.005	3.04	15
41.34	18.1	12.8	-	18.3	0.5	10.2	3.5	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.7	58	0.005	3.00	15
41.50	18.2	12.8	-	18.4	0.5	10.2	2.9	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.7	55	0.005	2.95	15
41.67	16.7	11.7	-	16.9	0.4	11.0	2.9	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.3	58	0.005	2.99	15
41.83	16.1	11.2	-	16.3	0.4	11.6	2.9	3	silty CLAY to CLAY	115	1.5	7	11	4	-	-	1.0	3.1	59	0.005	3.01	15
42.00	16.8	11.7	-	17.1	0.4	12.2	2.7	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.3	57	0.005	2.97	15
42.16	17.6	12.3	-	17.9	0.4	12.7	2.8	3	silty CLAY to CLAY	115	1.5	8	12	4	-	-	1.1	3.5	56	0.005	2.96	15
42.32	17.8	12.3	-	18.1	0.4	13.3	2.9	3	silty CLAY to CLAY	115	1.5	8	12	4	-	-	1.2	3.5	56	0.005	2.97	15
42.49	17.8	12.3	-	18.1	0.5	13.7	3.1	3	silty CLAY to CLAY	115	1.5	8	12	4	-	-	1.2	3.5	57	0.005	2.98	15
42.65	17.0	11.7	-	17.3	0.5	13.9	3.3	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.3	60	0.005	3.02	15
42.82	16.2	11.1	-	16.4	0.4	14.1	3.2	3	silty CLAY to CLAY	115	1.5	7	11	4	-	-	1.0	3.1	61	0.005	3.04	15
42.98	15.6	10.7	-	15.9	0.4	14.1	3.0	3	silty CLAY to CLAY	115	1.5	7	10	3	-	-	1.0	3.0	61	0.005	3.03	15
43.15	14.1	9.6	-	14.4	0.4	14.0	3.1	3	silty CLAY to CLAY	115	1.5	6	9	3	-	-	0.9	2.6	65	0.005	3.09	15
43.31	12.6	8.6	-	12.9	0.3	14.5	3.3	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.3	70	0.005	3.16	15
43.47	11.8	8.0	-	12.1	0.3	14.5	3.2	3	silty CLAY to CLAY	115	1.5	5	8	3	-	-	0.7	2.1	71	0.005	3.18	15
43.64	11.2	7.6	-	11.5	0.3	14.9	3.1	3	silty CLAY to CLAY	115	1.5	5	7	3	-	-	0.7	1.9	73	0.005	3.20	15
43.80	11.4	7.7	-	11.7	0.3	15.6	3.0	3	silty CLAY to CLAY	115	1.5	5	8	3	-	-	0.7	2.0	72	0.005	3.19	15
43.97	11.4	7.7	-	11.7	0.3	15.8	3.0	3	silty CLAY to CLAY	115	1.5	5	8	3	-	-	0.7	2.0	72	0.005	3.18	15

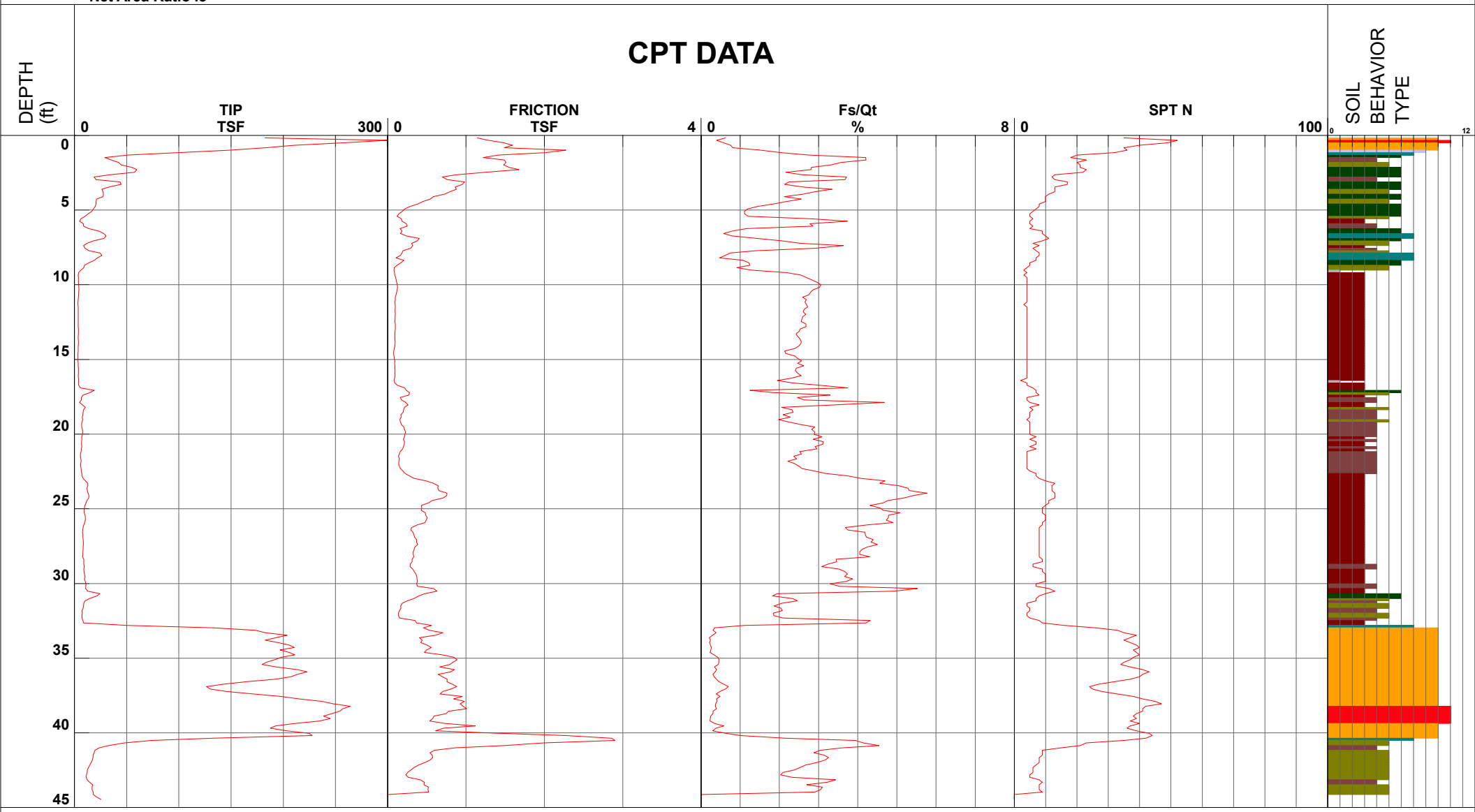
* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Cornerstone Earth Group

Project	1355 California Circle	Operator	BH-AJ	Filename	SDF(368).cpt
Job Number	461-16-2	Cone Number	DDG1496	GPS	
Hole Number	CPT-05	Date and Time	11/12/2020 8:13:23 AM	Maximum Depth	44.45 ft
EST GW Depth During Test		0.00 ft			

Net Area Ratio .8

CPT DATA



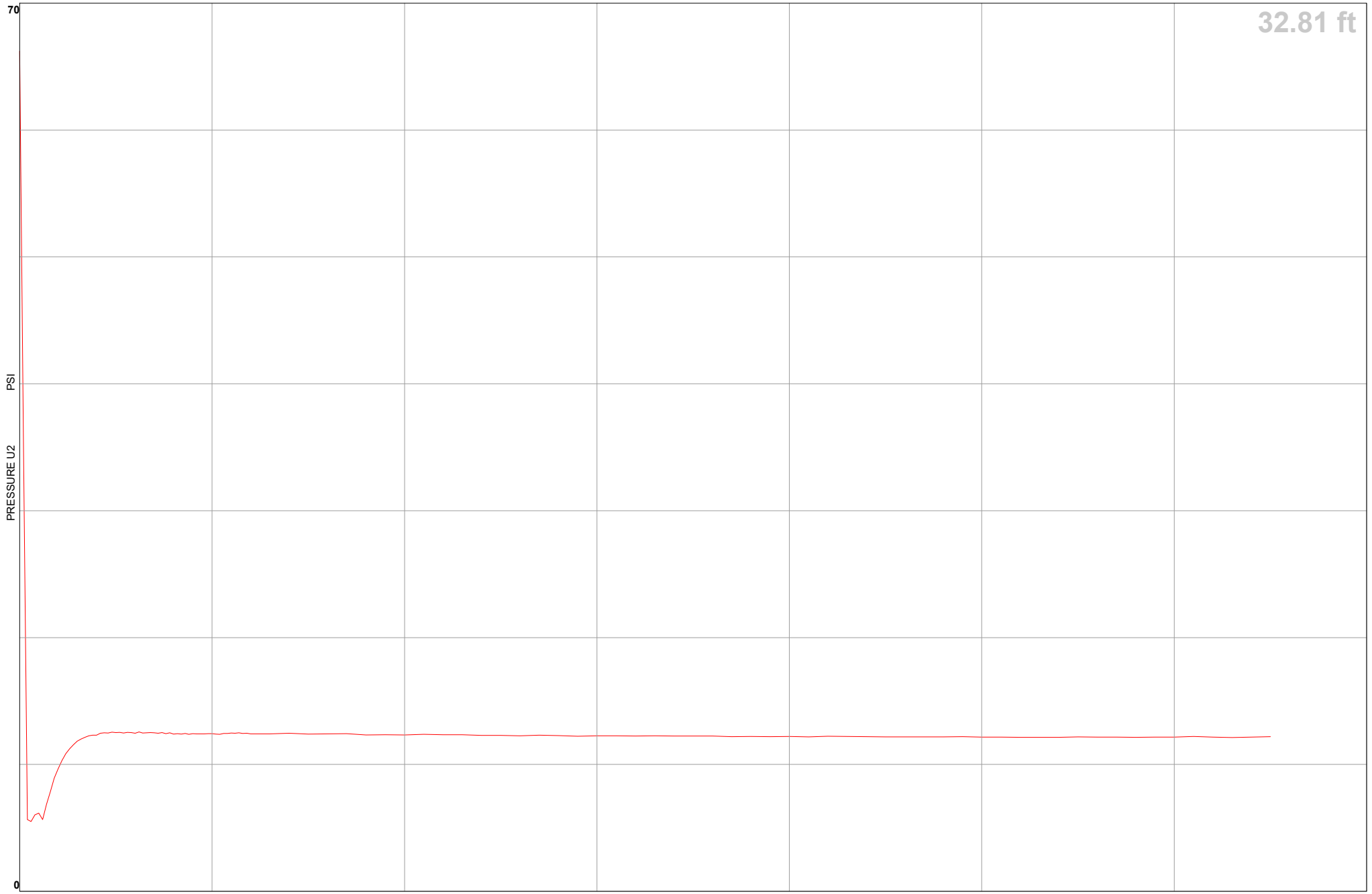
1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

Cornerstone Earth Group

Location	1355 California Circle	Operator	BH-AJ	
Job Number	461-16-2	Cone Number	DDG1496	GPS
Hole Number	CPT-05	Date and Time	11/12/2020 8:13:23 AM	
Equilized Pressure	12.0	EST GW Depth During Test	4.9	



1355 California Circle

Project ID: Cornerstone Earth Group
Data File: SDF(368).cpt
CPT Date: 11/12/2020 8:13:23 AM
GW During Test: 5 ft

Sounding ID: CPT-05
Project No: 461-16-2
Cone/Rig: DDG1496

Depth ft	qc PS tsf	*qc1n PS -	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	*SPT R-N1 60%	SPT R-N 60%	*SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm	*Ic SBT Indx	Nk -
0.33	323.7	519.1	519.1	323.7	1.3	0.3	0.4	7	grvly SAND to dense SAND	130	6.0	87	54	76	95	48	-	-	5	1.000	1.11	16
0.49	257.8	413.4	413.4	257.8	1.5	0.0	0.6	7	grvly SAND to dense SAND	130	6.0	69	43	64	95	48	-	-	5	1.000	1.30	16
0.66	210.7	337.9	337.9	210.7	1.6	0.0	0.8	6	clean SAND to silty SAND	125	5.0	68	42	55	95	48	-	-	5	0.350	1.45	16
0.82	183.4	294.1	294.1	183.4	1.5	0.2	0.8	6	clean SAND to silty SAND	125	5.0	59	37	49	95	48	-	-	5	0.350	1.51	16
0.98	148.7	238.5	260.5	148.7	2.3	0.2	1.5	6	clean SAND to silty SAND	125	5.0	48	30	43	95	48	-	-	8	0.350	1.78	16
1.15	99.3	159.3	204.2	99.3	2.0	0.4	2.0	5	silty SAND to sandy SILT	120	3.0	53	33	31	82	48	-	-	13	0.200	1.99	16
1.31	51.1	82.0	154.0	51.1	1.4	0.1	2.8	5	silty SAND to sandy SILT	120	3.0	27	17	18	60	48	-	-	22	0.200	2.28	16
1.48	28.9	46.4	149.2	29.0	1.2	0.9	4.2	4	clayy SILT to silty CLAY	115	2.0	23	14	12	-	-	2.0	9.9	34	0.070	2.58	15
1.64	35.4	56.7	163.2	35.5	1.5	4.9	4.2	4	clayy SILT to silty CLAY	115	2.0	28	18	14	-	-	2.5	9.9	32	0.070	2.52	15
1.80	42.2	67.7	161.2	42.3	1.5	2.7	3.6	4	clayy SILT to silty CLAY	115	2.0	34	21	16	-	-	3.0	9.9	27	0.070	2.42	15
1.97	44.6	71.5	158.9	44.6	1.5	2.3	3.3	4	clayy SILT to silty CLAY	115	2.0	36	22	16	-	-	3.1	9.9	26	0.070	2.38	15
2.13	55.0	88.2	161.7	55.0	1.5	3.7	2.8	5	silty SAND to sandy SILT	120	3.0	29	18	19	63	47	-	-	21	0.200	2.26	16
2.30	59.5	95.5	168.7	59.6	1.7	0.8	2.8	5	silty SAND to sandy SILT	120	3.0	32	20	21	65	47	-	-	20	0.200	2.24	16
2.46	57.5	92.2	146.4	57.5	1.2	0.4	2.2	5	silty SAND to sandy SILT	120	3.0	31	19	19	64	47	-	-	18	0.200	2.17	16
2.62	34.1	54.7	122.5	34.1	0.9	-0.9	2.6	5	silty SAND to sandy SILT	120	3.0	18	11	13	47	44	-	-	26	0.200	2.38	16
2.79	18.8	30.1	-	18.8	0.7	-0.3	3.7	4	clayy SILT to silty CLAY	115	2.0	15	9	8	-	-	1.3	9.9	40	0.070	2.68	15
2.95	20.7	33.2	-	20.7	0.8	2.0	3.7	4	clayy SILT to silty CLAY	115	2.0	17	10	9	-	-	1.4	9.9	38	0.070	2.65	15
3.12	43.7	70.0	128.6	43.7	1.0	2.5	2.3	5	silty SAND to sandy SILT	120	3.0	23	15	15	55	45	-	-	21	0.200	2.26	16
3.28	44.7	71.7	127.0	44.7	1.0	0.1	2.1	5	silty SAND to sandy SILT	120	3.0	24	15	16	56	45	-	-	20	0.200	2.24	16
3.45	33.0	52.9	121.7	33.0	0.9	-0.1	2.6	5	silty SAND to sandy SILT	120	3.0	18	11	12	46	43	-	-	26	0.200	2.40	16
3.61	26.2	42.0	126.4	26.2	0.9	0.8	3.4	4	clayy SILT to silty CLAY	115	2.0	21	13	10	-	-	1.8	9.9	33	0.070	2.55	15
3.77	27.3	43.8	119.2	27.3	0.8	0.3	2.9	4	clayy SILT to silty CLAY	115	2.0	22	14	11	-	-	1.9	9.9	30	0.070	2.49	15
3.94	27.8	44.6	113.3	27.8	0.7	0.1	2.6	4	clayy SILT to silty CLAY	115	2.0	22	14	11	-	-	1.9	9.9	29	0.070	2.45	15
4.10	27.4	43.9	101.7	27.4	0.6	-0.3	2.1	5	silty SAND to sandy SILT	120	3.0	15	9	10	40	41	-	-	26	0.200	2.40	16
4.27	21.2	34.0	101.1	21.2	0.5	-0.4	2.6	4	clayy SILT to silty CLAY	115	2.0	17	11	8	-	-	1.5	9.9	32	0.070	2.54	15
4.43	20.7	33.1	92.3	20.7	0.4	-0.5	2.2	4	clayy SILT to silty CLAY	115	2.0	17	10	8	-	-	1.4	9.9	31	0.070	2.50	15
4.59	20.7	33.3	85.3	20.7	0.4	-0.5	1.9	5	silty SAND to sandy SILT	120	3.0	11	7	8	31	39	-	-	29	0.200	2.46	16
4.76	19.9	31.9	75.1	19.9	0.3	-0.6	1.5	5	silty SAND to sandy SILT	120	3.0	11	7	7	29	39	-	-	27	0.200	2.41	16
4.92	18.2	29.2	67.1	18.2	0.2	-0.7	1.2	5	silty SAND to sandy SILT	120	3.0	10	6	7	26	38	-	-	26	0.200	2.40	16
5.09	16.7	26.8	63.4	16.7	0.2	-0.9	1.1	5	silty SAND to sandy SILT	120	3.0	9	6	6	24	37	-	-	27	0.200	2.41	16
5.25	12.9	20.7	58.8	12.9	0.1	-1.1	1.1	5	silty SAND to sandy SILT	120	3.0	7	4	5	15	36	-	-	31	0.200	2.51	16
5.41	10.2	16.3	-	10.1	0.1	-0.8	1.2	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.7	9.9	37	0.070	2.62	15
5.58	6.2	9.9	-	6.1	0.2	-0.7	3.0	3	silty CLAY to CLAY	115	1.5	7	4	3	-	-	0.4	6.2	60	0.005	3.02	15
5.74	4.9	7.9	-	4.9	0.2	-0.2	4.0	3	silty CLAY to CLAY	115	1.5	5	3	3	-	-	0.3	4.7	72	0.005	3.18	15
5.91	8.5	13.7	-	8.5	0.2	0.0	2.9	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	8.4	52	0.005	2.89	15
6.07	8.6	13.9	-	8.6	0.2	-0.1	3.0	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	8.4	52	0.005	2.89	15
6.23	13.6	21.9	61.0	13.6	0.2	-0.2	1.2	5	silty SAND to sandy SILT	120	3.0	7	5	5	17	35	-	-	31	0.200	2.50	16
6.40	23.2	37.2	63.4	23.2	0.2	-0.5	0.8	5	silty SAND to sandy SILT	120	3.0	12	8	8	34	38	-	-	20	0.200	2.22	16
6.56	28.1	45.1	63.4	28.1	0.2	-1.0	0.6	6	clean SAND to silty SAND	125	5.0	9	6	9	41	39	-	-	15	0.350	2.07	16
6.73	30.4	48.8	72.1	30.4	0.2	-1.2	0.8	5	silty SAND to sandy SILT	120	3.0	16	10	10	43	40	-	-	16	0.200	2.11	16
6.89	28.3	45.4	86.1	28.3	0.4	-1.4	1.4	5	silty SAND to sandy SILT	120	3.0	15	9	10	41	39	-	-	22	0.200	2.28	16
7.05	18.2	29.2	87.1	18.2	0.4	-1.6	2.1	4	clayy SILT to silty CLAY	115	2.0	15	9	7	-	-	1.3	9.9	32	0.070	2.54	15
7.22	12.1	19.3	-	12.0	0.3	-1.5	2.6	4	clayy SILT to silty CLAY	115	2.0	10	6	5	-	-	0.8	9.9	43	0.070	2.74	15
7.38	8.8	14.2	-	8.8	0.3	-1.0	3.8	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	7.6	55	0.005	2.95	15
7.55	10.1	16.2	-	10.1	0.3	-0.5	3.1	3	silty CLAY to CLAY	115	1.5	11	7	5	-	-	0.7	8.7	49	0.005	2.85	15
7.71	13.8	22.0	66.9	13.8	0.2	-0.5	1.5	4	clayy SILT to silty CLAY	115	2.0	11	7	5	-	-	1.0	9.9	33	0.070	2.55	15
7.87	24.5	38.8	63.6	24.5	0.2	-0.7	0.8	5	silty SAND to sandy SILT	120	3.0	13	8	8	36	38	-	-	19	0.200	2.19	16
8.04	26.2	41.2	61.7	26.2	0.2	-1.2	0.6	5	silty SAND to sandy SILT	120	3.0	14	9	8	38	38	-	-	16	0.200	2.12	16
8.20	22.0	34.4	53.0	22.0	0.1	-1.4	0.5	5	silty SAND to sandy SILT	120	3.0	11	7	7	32	37	-	-	17	0.200	2.14	16
8.37	19.1	29.7	65.4	19.0	0.2	-1.6	1.1	5	silty SAND to sandy SILT	120	3.0	10	6	7	27	36	-	-	25	0.200	2.37	16
8.53	13.8	21.4	62.6	13.8	0.2	-1.8	1.3	5	silty SAND to sandy SILT	120	3.0	7	5	5	16	34	-	-	32	0.200	2.53	16
8.69	9.6	15.4	-	9.5	0.1	-1.7	1.3	4	clayy SILT to silty CLAY	115	2.0	8	5	4	-	-	0.6	7.5	39	0.070	2.67	15
8.86	9.0	14.4	-	9.0	0.1	-1.6	1.0	4	clayy SILT to silty CLAY	115	2.0	7	4	4	-	-	0.6	6.9	37	0.070	2.63	15
9.02	6.2	9.9	-	6.2	0.1	1.6	1.4	4	clayy SILT to silty CLAY	115	2.0	5	3	3	-	-	0.4	4.5	50	0.070	2.86	15
9.19	4.0	6.4	-	4.0	0.1	2.0	2.5	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	2.8	71	0.005	3.17	15
9.35	3.5	5.7	-	3.6	0.1	3.4	3.0	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.4	78	0.005	3.27	15
9.51	3.7	6.0	-	3.8	0.1	4.7	3.2	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.5	78	0.005	3.26	15
9.68	3.8	6.1	-	3.9	0.1	5.4	3.3	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	2.5	78	0.005	3.26	15
9.84	3.9	6.2	-	4.0	0.1	6.7	3.5	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	2.5	78	0.005	3.26	15
10.01	4.0	6.4	-	4.2	0.1	7.4	3.6	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	2.6	78	0.005	3.26	15
10.17	4.2	6.7	-	4.3	0.1	8.4	3.5	3	silty CLAY to CLAY	115	1.5	4	3	3	-	-	0.3	2.7	76	0.005	3.24	15
10.34	4.2	6.8	-	4.4	0.1	9.3	3.3	3	silty CLAY to CLAY	115	1.5	5	3	3	-	-	0.3	2.7	75	0.005	3.22	15
10.50	4.1	6.6	-	4.3	0.1	9.5	3.3	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.3	2.6	75	0.005	3.23	15
10.66	3.9	6.3	-	4.1	0.1	9.9	3.3	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	2.4	77	0.005	3.25	15
10.83	3.8	6.1	-	4.0	0.1	10.1	3.1	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	2.3	77	0.005	3.25	15
10.99	3.6	5.8	-	3.8	0.1	10.5	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.1	80	0.005	3.29	15
11.16	3.5	5.6	-	3.7	0.1	11.1	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.0	81	0.005	3.30	15
11.32	3.5	5.6	-	3.7	0.1	11.2	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.0	82	0.005	3.31	15
11.48	3.5	5.7	-	3.8	0.1	11.7	3.4	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.0	82	0.005	3.31	15
11.65	3.6	5.7	-	3.8	0.1	12.1	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.0	81	0.005	3.30	15
11.81	3.7	5.9	-	3.9	0.1	12.5	3.2	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.0	80	0.005	3.28	15
11.98	3.6	5.8	-	3.9	0.1	13.1	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.0	81	0.005	3.30	15
12.14	3.7	5.9	-	4.0	0.1	16.2	3.2	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.0	80	0.005	3.29	15
12.30	3.7	5.9	-	4.0	0.1	16.7	3.2	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	2.0	80	0.005	3.29	15
12.47	3.6	5.8	-	4.0	0.1	17.3	3.2	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.9	80	0.005	3.29	15
12.63	3.6	5.8	-	4.0	0.1	17.9	3.4	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.9	82	0.005	3.31	15
12.80	3.7	5.9	-	4.0	0.1	18.5	3.4	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.9	81	0.005	3.30	15
12.96	3.8	6.2	-	4.2	0.1	18.9	3.2	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	2.0	78	0.005	3.27	15
13.12	3.8	6.0	-	4.1	0.1	19.3	3.2	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	1.9	79	0.005	3.28	15
13.29	3.7	6.0	-	4.1	0.1	19.8	3.1	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.9	79	0.005	3.28	15
13.45	3.7	5.9	-	4.1	0.1	20.3	3.1	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.8	80	0.005	3.29	15
13.62	3.7	5.9	-	4.1	0.1	20.9	3.2	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.8	81	0.005	3.30	15
13.78	3.7	6.0	-	4.2	0.1	21.5	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.8	80	0.005	3.29	15
13.94	3.7	6.0	-	4.2	0.1	22.0	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.8	81	0.005	3.29	15
14.11	3.7	5.9	-	4.1	0.1	22.4	3.2	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.7	81	0.005	3.30	15
14.27	3.5	5.7	-	4.0	0.1	22.6	3.1	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.6	82	0.005	3.31	15
14.44	3.6	5.7	-	4.0	0.1	22.8	2.8	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.6	80	0.005	3.29	15
14.60	3.4	5.5	-	3.9	0.1	23.1	2.9	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.5	82	0.005	3.31	15
14.76	3.3	5.4	-	3.8	0.1	23.4	3.2	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.5	85	0.005	3.35	15
14.93	3.4	5.4	-	3.8	0.1	23.9	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.5	86	0.005	3.36	15
15.09	3.5	5.6	-	4.0	0.1	24.4	3.4	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.5	85	0.005	3.35	15
15.26	3.6	5.8	-	4.1	0.1	24.4	3.3	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.6	83	0.005	3.32	15
15.42	3.5	5.7	-	4.0	0.1	23.9	3.5	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.5	85	0.005	3.35	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Middle Earth Geo Testing

Depth ft	qc PS tsf	qc1n PS -	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60%	SPT R-N 60%	SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR -	Fin Ic %	D50 - mm	Ic SBT Indx	Nk -
15.58	3.8	6.1	-	4.3	0.1	24.7	3.2	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	1.7	80	0.005	3.29	15
15.75	3.9	6.2	-	4.3	0.1	22.5	3.2	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	1.7	80	0.005	3.28	15
15.91	3.8	6.0	-	4.2	0.1	22.9	3.3	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	1.6	82	0.005	3.31	15
16.08	3.7	5.9	-	4.1	0.1	23.8	3.4	3	silty CLAY to CLAY	115	1.5	4	2	2	-	-	0.2	1.5	84	0.005	3.33	15
16.24	3.8	6.1	-	4.3	0.1	24.3	3.1	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	1.6	80	0.005	3.29	15
16.40	4.1	6.6	-	4.6	0.1	24.1	2.5	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	1.7	74	0.005	3.21	15
16.57	3.9	6.2	-	4.3	0.1	22.7	3.1	3	silty CLAY to CLAY	115	1.5	4	3	2	-	-	0.2	1.6	80	0.005	3.29	15
16.73	4.0	6.3	-	4.4	0.1	23.9	4.0	3	silty CLAY to CLAY	115	1.5	4	3	3	-	-	0.2	1.6	84	0.005	3.33	15
16.90	5.8	9.3	-	6.3	0.2	25.7	4.5	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.6	72	0.005	3.19	15
17.06	19.0	23.4	66.2	19.1	0.2	9.3	1.3	5	silty SAND to sandy SILT	120	3.0	8	6	6	19	34	-	-	31	0.200	2.51	16
17.23	14.9	24.0	-	15.0	0.3	2.5	2.0	4	clayy SILT to silty CLAY	115	2.0	12	7	6	-	-	1.0	7.4	36	0.070	2.61	15
17.39	8.3	13.1	-	8.4	0.3	6.1	3.8	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.5	3.8	59	0.005	3.00	15
17.55	6.5	10.3	-	6.7	0.2	11.4	2.9	3	silty CLAY to CLAY	115	1.5	7	4	3	-	-	0.4	2.9	61	0.005	3.04	15
17.72	6.7	10.5	-	6.8	0.2	7.0	3.1	3	silty CLAY to CLAY	115	1.5	7	4	3	-	-	0.4	2.9	62	0.005	3.05	15
17.88	4.9	7.7	-	4.9	0.2	1.2	5.9	3	silty CLAY to CLAY	115	1.5	5	3	3	-	-	0.3	2.0	85	0.005	3.35	15
18.05	7.6	11.8	-	8.0	0.3	18.5	4.0	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	3.4	63	0.005	3.06	15
18.21	10.4	16.1	-	10.8	0.2	18.7	2.3	4	clayy SILT to silty CLAY	115	2.0	8	5	5	-	-	0.7	4.8	46	0.070	2.80	15
18.37	8.7	13.3	-	9.0	0.2	13.4	2.7	3	silty CLAY to CLAY	115	1.5	9	6	4	-	-	0.6	3.9	53	0.005	2.91	15
18.54	8.3	12.6	-	8.7	0.2	17.1	2.7	3	silty CLAY to CLAY	115	1.5	8	6	4	-	-	0.5	3.6	54	0.005	2.94	15
18.70	8.1	12.2	-	8.6	0.2	25.2	2.4	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	3.5	54	0.005	2.92	15
18.87	7.5	11.3	-	8.1	0.2	28.0	2.7	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	3.2	57	0.005	2.98	15
19.03	7.9	11.7	-	8.4	0.2	25.0	2.3	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	3.3	54	0.005	2.93	15
19.19	7.2	10.7	-	7.7	0.2	25.0	2.7	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	3.0	59	0.005	3.00	15
19.36	6.9	10.1	-	7.4	0.2	28.2	3.0	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.4	2.8	63	0.005	3.06	15
19.52	7.1	10.3	-	7.6	0.2	29.6	3.5	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.5	2.9	64	0.005	3.08	15
19.69	7.6	11.1	-	8.2	0.2	29.9	3.3	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	3.1	62	0.005	3.04	15
19.85	7.9	11.3	-	8.4	0.2	29.8	3.4	3	silty CLAY to CLAY	115	1.5	8	5	4	-	-	0.5	3.2	61	0.005	3.04	15
20.01	7.6	10.9	-	8.1	0.2	27.3	3.4	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	3.0	62	0.005	3.06	15
20.18	7.0	9.9	-	7.5	0.2	26.4	3.7	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.4	2.7	67	0.005	3.12	15
20.34	7.0	9.9	-	7.5	0.2	27.9	3.5	3	silty CLAY to CLAY	115	1.5	7	5	3	-	-	0.4	2.7	66	0.005	3.10	15
20.51	6.9	9.7	-	7.4	0.2	26.9	3.8	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.6	68	0.005	3.14	15
20.67	6.8	9.5	-	7.4	0.2	28.5	3.8	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.6	69	0.005	3.14	15
20.83	6.9	9.6	-	7.5	0.2	27.7	3.5	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.6	67	0.005	3.12	15
21.00	6.5	9.0	-	7.0	0.2	25.9	3.6	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.4	70	0.005	3.16	15
21.16	6.3	8.7	-	6.8	0.2	26.1	3.1	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.3	68	0.005	3.13	15
21.33	5.8	8.0	-	6.3	0.1	25.8	3.3	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.1	72	0.005	3.19	15
21.49	5.8	7.8	-	6.3	0.1	28.0	3.0	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.0	71	0.005	3.18	15
21.65	6.1	8.2	-	6.7	0.1	29.9	3.1	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.1	70	0.005	3.16	15
21.82	6.4	8.6	-	7.0	0.1	29.9	2.8	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.3	66	0.005	3.11	15
21.98	5.9	7.9	-	6.5	0.1	31.0	3.1	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.0	71	0.005	3.18	15
22.15	5.9	7.8	-	6.5	0.1	33.3	3.2	3	silty CLAY to CLAY	115	1.5	5	4	3	-	-	0.4	2.0	72	0.005	3.19	15
22.31	6.4	8.4	-	7.1	0.2	35.0	3.2	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.2	70	0.005	3.16	15
22.47	6.7	8.8	-	7.4	0.2	35.8	3.6	3	silty CLAY to CLAY	115	1.5	6	4	3	-	-	0.4	2.3	70	0.005	3.16	15
22.64	7.0	9.2	-	7.7	0.2	32.9	3.9	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.4	2.5	71	0.005	3.17	15
22.80	7.3	9.5	-	7.9	0.3	28.7	4.6	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.6	72	0.005	3.19	15
22.97	8.2	10.6	-	8.9	0.3	31.6	4.9	3	silty CLAY to CLAY	115	1.5	7	5	4	-	-	0.5	2.9	70	0.005	3.16	15
23.13	10.4	13.3	-	11.1	0.5	34.5	5.4	3	silty CLAY to CLAY	115	1.5	9	7	5	-	-	0.7	3.8	65	0.005	3.10	15
23.30	12.8	16.3	-	13.3	0.6	27.7	5.1	3	silty CLAY to CLAY	115	1.5	11	9	5	-	-	0.8	4.8	59	0.005	3.01	15
23.46	12.8	16.2	-	13.0	0.6	14.1	5.7	3	silty CLAY to CLAY	115	1.5	11	9	5	-	-	0.8	4.8	61	0.005	3.04	15
23.62	12.1	15.3	-	12.3	0.6	11.9	6.0	3	silty CLAY to CLAY	115	1.5	10	8	5	-	-	0.8	4.5	64	0.005	3.07	15
23.79	12.3	15.5	-	12.6	0.7	13.9	6.0	3	silty CLAY to CLAY	115	1.5	10	8	5	-	-	0.8	4.5	63	0.005	3.07	15
23.95	13.1	16.4	-	13.4	0.8	12.5	6.5	3	silty CLAY to CLAY	115	1.5	11	9	5	-	-	0.9	4.8	63	0.005	3.07	15
24.12	13.9	17.3	-	14.1	0.8	11.4	6.0	3	silty CLAY to CLAY	115	1.5	12	9	6	-	-	0.9	5.1	61	0.005	3.03	15
24.28	13.6	16.8	-	13.7	0.7	4.9	5.8	3	silty CLAY to CLAY	115	1.5	11	9	5	-	-	0.9	5.0	60	0.005	3.03	15
24.44	11.9	14.6	-	12.0	0.6	3.6	5.4	3	silty CLAY to CLAY	115	1.5	10	8	5	-	-	0.8	4.2	63	0.005	3.06	15
24.61	11.2	13.6	-	11.2	0.5	4.0	5.3	3	silty CLAY to CLAY	115	1.5	9	7	5	-	-	0.7	3.9	64	0.005	3.09	15
24.77	10.0	12.1	-	10.1	0.4	4.4	5.0	3	silty CLAY to CLAY	115	1.5	8	7	4	-	-	0.6	3.4	67	0.005	3.12	15
24.94	9.5	11.5	-	9.6	0.4	5.1	5.4	3	silty CLAY to CLAY	115	1.5	8	6	4	-	-	0.6	3.2	70	0.005	3.16	15
25.10	9.2	11.1	-	9.3	0.4	5.7	5.5	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	3.1	71	0.005	3.18	15
25.26	9.4	11.3	-	9.7	0.5	14.6	6.0	3	silty CLAY to CLAY	115	1.5	8	6	4	-	-	0.6	3.1	73	0.005	3.19	15
25.43	10.1	12.1	-	10.4	0.5	15.0	5.6	3	silty CLAY to CLAY	115	1.5	8	7	4	-	-	0.7	3.4	69	0.005	3.15	15
25.59	10.6	12.5	-	10.9	0.5	14.7	5.6	3	silty CLAY to CLAY	115	1.5	8	7	4	-	-	0.7	3.5	68	0.005	3.13	15
25.76	10.4	12.2	-	10.6	0.5	13.4	5.5	3	silty CLAY to CLAY	115	1.5	8	7	4	-	-	0.7	3.5	68	0.005	3.14	15
25.92	9.7	11.4	-	9.9	0.5	12.0	5.8	3	silty CLAY to CLAY	115	1.5	8	6	4	-	-	0.6	3.2	72	0.005	3.18	15
26.08	8.9	10.4	-	9.1	0.4	11.0	5.1	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	2.9	72	0.005	3.18	15
26.25	8.3	9.6	-	8.5	0.3	12.0	4.5	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.6	72	0.005	3.19	15
26.41	7.8	9.1	-	8.1	0.3	14.4	4.7	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.4	75	0.005	3.22	15
26.58	7.7	8.8	-	8.0	0.3	14.8	5.2	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.3	78	0.005	3.26	15
26.74	8.0	9.1	-	8.3	0.3	16.4	5.2	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.4	77	0.005	3.24	15
26.90	8.1	9.3	-	8.5	0.3	17.0	5.2	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.5	76	0.005	3.24	15
27.07	8.4	9.5	-	8.7	0.4	17.6	5.4	3	silty CLAY to CLAY	115	1.5	6	6	4	-	-	0.5	2.6	76	0.005	3.24	15
27.23	8.5	9.6	-	8.8	0.4	18.0	5.3	3	silty CLAY to CLAY	115	1.5	6	6	4	-	-	0.5	2.6	76	0.005	3.23	15
27.40	8.5	9.6	-	8.8	0.4	16.4	5.5	3	silty CLAY to CLAY	115	1.5	6	6	4	-	-	0.5	2.6	76	0.005	3.24	15
27.56	8.2	9.2	-	8.6	0.3	16.8	5.3	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.4	77	0.005	3.25	15
27.72	8.2	9.1	-	8.6	0.3	17.4	5.1	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.4	76	0.005	3.24	15
27.89	8.0	8.9	-	8.4	0.3	17.9	5.1	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.3	77	0.005	3.25	15
28.05	8.0	8.8	-	8.4	0.3	17.9	5.1	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.3	77	0.005	3.25	15
28.22	7.7	8.4	-	8.1	0.3	19.0	5.5	3	silty CLAY to CLAY	115	1.5	6	5	3	-	-	0.5	2.2	80	0.005	3.29	15
28.38	9.1	9.9	-	9.5	0.3	22.2	4.2	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	2.7	70	0.005	3.16	15
28.54	9.0	9.8	-	9.5	0.3	24.6	4.3	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	2.6	70	0.005	3.16	15
28.71	8.9	9.6	-	9.4	0.3	28.3	4.0	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.6	70	0.005	3.16	15
28.87	9.3	10.0	-	9.9	0.3	30.5	3.8	3	silty CLAY to CLAY	115	1.5	7	6	3	-	-	0.6	2.7	67	0.005	3.13	15
29.04	9.0	9.7	-	9.6	0.3	28.9	4.3	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.6	71	0.005	3.17	15
29.20	9.2	9.8	-	9.8	0.3	30.8	4.5	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	2.6	71	0.005	3.18	15
29.36	9.6	10.2	-	10.2	0.4	29.6	4.5	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	2.8	70	0.005	3.16	15
29.53	10.1	10.7	-	10.7	0.4	27.9	4.4	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.6	2.9	68	0.005	3.14	15
29.69	9.7	10.1	-	10.2	0.4	28.3	4.7	3	silty CLAY to CLAY	115	1.5	7	6	4	-	-	0.6	2.7	71	0.005	3.18	15
29.86	10.3	10.7	-	10.9	0.4	30.7	4.5	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	2.9	68	0.005	3.14	15
30.02	11.2	11.6	-	11.7	0.4	29.7	3.9	3	silty CLAY to CLAY	115	1.5	8	7	4	-	-	0.7	3.2	63	0.005	3.07	15
30.19	10.7	11.1	-	11.3	0.4	29.1	4.2	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	3.1	66	0.005	3.11	15
30.35	10.6	10.9	-	11.2	0.6	32.5	6.6	3	silty CLAY to CLAY	115	1.5	7	7	4	-	-	0.7	3.0	76	0.005	3.24	15
30.51	12.7	13.1	-	13.5	0.6	36.6	5.7	3	silty CLAY to CLAY	115	1.5	9	8	5	-	-	0.8	3.7	67	0.005	3.12	15
30.68	24.4	25.0	-	25.0	0.5	28.7	2.1	4	clayy SILT to silty CLAY	115	2.0	13	12	6	-	-	1.7	7.7	36	0.070	2.61	15
30.84	21.6	22.0	-	21.6	0.4	0.1	2.0	4	clayy SILT to silty CLAY	115	2.0	11	11	6	-	-	1.5	6.7	38	0.070	2.64	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Project ID: Cornerstone Earth Group
Data File: SDF(368).cpt
CPT Date: 11/12/2020 8:13:23 AM
GW During Test: 5 ft

Sounding ID: CPT-05
Project No: 461-16-2
Cone/Rig: DDG1496

Depth ft	qc PS tsf	qc1n PS -	q1ncs PS -	qt PS tsf	Slv Stss tsf	pore prss (psi)	Frct Rato %	Mat Typ Zon	Material Behavior Description	Unit Wght pcf	Qc to N	SPT R-N1 60%	SPT R-N 60%	SPT IcN1 60%	Rel Den %	Ftn Ang deg	Und Shr tsf	OCR - -	Fin Ic %	D50 - mm	Ic SBT Indx	Nk -
31.01	14.3	14.5	-	14.3	0.3	0.4	2.7	3	silty CLAY to CLAY	115	1.5	10	10	4	-	-	0.9	4.2	51	0.005	2.88	15
31.17	10.2	10.3	-	10.2	0.3	3.8	3.0	3	silty CLAY to CLAY	115	1.5	7	7	3	-	-	0.6	2.8	62	0.005	3.06	15
31.33	9.0	9.1	-	9.1	0.2	6.2	2.6	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.4	64	0.005	3.08	15
31.50	8.8	8.9	-	9.0	0.2	9.4	2.4	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.6	2.3	63	0.005	3.07	15
31.66	8.2	8.2	-	8.4	0.2	11.1	2.6	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.5	2.1	68	0.005	3.13	15
31.83	7.3	7.2	-	8.0	0.2	35.3	2.8	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.4	1.8	73	0.005	3.21	15
31.99	7.5	7.4	-	8.2	0.1	39.1	2.5	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.5	1.8	70	0.005	3.17	15
32.15	7.3	7.2	-	8.2	0.1	41.6	2.5	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.4	1.8	71	0.005	3.18	15
32.32	7.2	7.1	-	8.1	0.2	45.9	2.8	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.4	1.7	74	0.005	3.22	15
32.48	8.0	7.8	-	9.0	0.3	50.7	5.6	3	silty CLAY to CLAY	115	1.5	5	5	3	-	-	0.5	2.0	84	0.005	3.34	15
32.65	8.8	8.5	-	9.8	0.4	53.9	5.4	3	silty CLAY to CLAY	115	1.5	6	6	3	-	-	0.5	2.2	80	0.005	3.29	15
32.81	50.3	48.1	81.9	51.6	0.6	64.1	1.2	5	silty SAND to sandy SILT	120	3.0	16	17	10	43	36	-	-	19	0.200	2.21	16
32.97	133.6	127.3	127.3	133.7	0.5	5.5	0.3	6	clean SAND to silty SAND	125	5.0	25	27	21	75	42	-	-	5	0.350	1.57	16
33.14	173.7	165.1	165.1	173.8	0.5	7.9	0.3	6	clean SAND to silty SAND	125	5.0	33	35	27	84	43	-	-	5	0.350	1.44	16
33.30	182.8	173.4	173.4	182.9	0.7	5.2	0.4	6	clean SAND to silty SAND	125	5.0	35	37	28	85	43	-	-	5	0.350	1.48	16
33.47	203.7	192.8	192.8	203.7	0.6	-1.4	0.3	6	clean SAND to silty SAND	125	5.0	39	41	31	89	44	-	-	5	0.350	1.38	16
33.63	193.1	182.2	182.2	193.2	0.4	4.7	0.2	6	clean SAND to silty SAND	125	5.0	36	39	28	87	44	-	-	5	0.350	1.33	16
33.79	182.6	171.9	171.9	182.7	0.4	7.3	0.2	6	clean SAND to silty SAND	125	5.0	34	37	27	85	43	-	-	5	0.350	1.38	16
33.96	194.8	183.0	183.0	194.9	0.4	1.6	0.2	6	clean SAND to silty SAND	125	5.0	37	39	29	87	44	-	-	5	0.350	1.34	16
34.12	205.6	192.7	192.7	205.7	0.5	4.2	0.2	6	clean SAND to silty SAND	125	5.0	39	41	30	89	44	-	-	5	0.350	1.34	16
34.29	210.6	196.9	196.9	210.7	0.6	4.1	0.3	6	clean SAND to silty SAND	125	5.0	39	42	31	89	44	-	-	5	0.350	1.35	16
34.45	196.9	183.7	183.7	196.9	0.5	-0.3	0.3	6	clean SAND to silty SAND	125	5.0	37	39	29	87	44	-	-	5	0.350	1.36	16
34.61	205.9	191.6	191.6	205.9	0.5	-1.5	0.2	6	clean SAND to silty SAND	125	5.0	38	41	30	88	44	-	-	5	0.350	1.33	16
34.78	210.9	195.8	195.8	210.8	0.7	-4.6	0.3	6	clean SAND to silty SAND	125	5.0	39	42	31	89	44	-	-	5	0.350	1.40	16
34.94	197.9	183.3	183.3	197.8	0.8	-3.1	0.4	6	clean SAND to silty SAND	125	5.0	37	40	30	87	44	-	-	5	0.350	1.48	16
35.11	191.6	177.0	177.0	191.6	0.9	-2.0	0.5	6	clean SAND to silty SAND	125	5.0	35	38	29	86	43	-	-	5	0.350	1.52	16
35.27	183.8	169.4	169.4	183.6	0.8	-6.7	0.5	6	clean SAND to silty SAND	125	5.0	34	37	28	84	43	-	-	5	0.350	1.53	16
35.43	179.7	165.3	165.3	179.6	0.8	-4.4	0.4	6	clean SAND to silty SAND	125	5.0	33	36	27	84	43	-	-	5	0.350	1.53	16
35.60	193.2	177.3	177.3	193.0	0.7	-7.0	0.3	6	clean SAND to silty SAND	125	5.0	35	39	29	86	43	-	-	5	0.350	1.44	16
35.76	213.6	195.5	195.5	213.4	0.9	-8.1	0.4	6	clean SAND to silty SAND	125	5.0	39	43	32	89	44	-	-	5	0.350	1.44	16
35.93	222.9	203.6	203.6	222.7	0.8	-8.6	0.4	6	clean SAND to silty SAND	125	5.0	41	45	33	90	44	-	-	5	0.350	1.40	16
36.09	213.6	194.7	194.7	213.6	0.6	-0.3	0.3	6	clean SAND to silty SAND	125	5.0	39	43	31	89	44	-	-	5	0.350	1.38	16
36.26	207.4	188.6	188.6	207.2	0.7	-7.5	0.3	6	clean SAND to silty SAND	125	5.0	38	41	30	88	44	-	-	5	0.350	1.42	16
36.42	192.4	174.5	174.5	192.3	0.8	-4.1	0.4	6	clean SAND to silty SAND	125	5.0	35	38	29	85	43	-	-	5	0.350	1.48	16
36.58	164.8	149.1	149.1	164.7	0.8	-2.3	0.5	6	clean SAND to silty SAND	125	5.0	30	33	25	80	42	-	-	5	0.350	1.58	16
36.75	143.2	129.4	132.9	143.4	0.8	11.1	0.6	6	clean SAND to silty SAND	125	5.0	26	29	23	75	42	-	-	6	0.350	1.68	16
36.91	126.5	114.0	124.4	126.6	0.9	5.7	0.7	6	clean SAND to silty SAND	125	5.0	23	25	21	71	41	-	-	8	0.350	1.78	16
37.08	130.0	116.9	124.4	130.0	0.8	-0.8	0.6	6	clean SAND to silty SAND	125	5.0	23	26	21	72	41	-	-	7	0.350	1.74	16
37.24	146.2	131.2	131.2	146.1	0.7	-6.2	0.5	6	clean SAND to silty SAND	125	5.0	26	29	23	76	42	-	-	5	0.350	1.63	16
37.40	171.3	153.4	153.4	171.1	0.7	-9.3	0.4	6	clean SAND to silty SAND	125	5.0	31	34	25	81	42	-	-	5	0.350	1.53	16
37.57	197.6	176.5	176.5	197.4	1.0	-9.6	0.5	6	clean SAND to silty SAND	125	5.0	35	40	29	86	43	-	-	5	0.350	1.53	16
37.73	215.0	191.7	191.7	214.8	0.8	-9.2	0.4	6	clean SAND to silty SAND	125	5.0	38	43	31	88	44	-	-	5	0.350	1.45	16
37.90	237.0	210.8	210.8	236.8	1.0	-7.5	0.4	6	clean SAND to silty SAND	125	5.0	42	47	34	92	44	-	-	5	0.350	1.42	16
38.06	247.8	220.0	220.0	247.7	0.9	-6.5	0.4	6	clean SAND to silty SAND	125	5.0	44	50	35	93	44	-	-	5	0.350	1.38	16
38.22	264.1	233.9	233.9	264.1	1.0	-3.6	0.4	6	clean SAND to silty SAND	125	5.0	47	53	37	95	44	-	-	5	0.350	1.36	16
38.39	257.0	227.1	227.1	257.0	1.0	-0.6	0.4	6	clean SAND to silty SAND	125	5.0	45	51	36	94	44	-	-	5	0.350	1.38	16
38.55	254.2	224.2	224.2	254.1	0.8	-4.1	0.3	6	clean SAND to silty SAND	125	5.0	45	51	35	94	44	-	-	5	0.350	1.33	16
38.72	246.3	216.8	216.8	246.2	0.7	-6.6	0.3	6	clean SAND to silty SAND	125	5.0	43	49	34	93	44	-	-	5	0.350	1.34	16
38.88	238.7	209.6	209.6	238.5	0.6	-10.1	0.3	6	clean SAND to silty SAND	125	5.0	42	48	33	91	44	-	-	5	0.350	1.31	16
39.04	244.9	214.6	214.6	244.7	0.6	-9.3	0.2	7	grvly SAND to dense SAND	130	6.0	36	41	33	92	44	-	-	5	1.000	1.29	16
39.21	235.0	205.5	205.5	234.8	0.5	-9.1	0.2	7	grvly SAND to dense SAND	130	6.0	34	39	32	91	44	-	-	5	1.000	1.30	16
39.37	210.9	184.0	184.0	210.7	0.7	-9.0	0.4	6	clean SAND to silty SAND	125	5.0	37	42	30	87	43	-	-	5	0.350	1.43	16
39.54	192.5	167.6	167.6	192.4	1.1	-6.4	0.6	6	clean SAND to silty SAND	125	5.0	34	38	28	84	43	-	-	5	0.350	1.59	16
39.70	187.7	163.1	163.1	187.7	0.7	-1.4	0.4	6	clean SAND to silty SAND	125	5.0	33	38	27	83	43	-	-	5	0.350	1.50	16
39.86	203.5	176.5	176.5	203.3	0.6	-9.3	0.3	6	clean SAND to silty SAND	125	5.0	35	41	28	86	43	-	-	5	0.350	1.41	16
40.03	224.6	194.4	194.4	224.4	1.4	-10.2	0.6	6	clean SAND to silty SAND	125	5.0	39	45	33	89	43	-	-	5	0.350	1.57	16
40.19	227.6	196.5	204.0	227.4	2.3	-8.3	1.0	6	clean SAND to silty SAND	125	5.0	39	46	35	89	44	-	-	6	0.350	1.70	16
40.36	132.3	114.1	168.4	132.4	2.9	2.5	2.2	5	silty SAND to sandy SILT	120	3.0	38	44	23	71	41	-	-	16	0.200	2.11	16
40.52	73.5	63.3	170.9	73.5	2.9	-4.2	4.1	4	clayy SILT to silty CLAY	115	2.0	32	37	15	-	-	5.1	9.9	30	0.070	2.49	15
40.68	48.0	37.5	-	47.8	2.0	-8.6	4.4	4	clayy SILT to silty CLAY	115	2.0	19	24	10	-	-	3.3	9.9	39	0.070	2.67	15
40.85	32.7	25.5	-	32.5	1.5	-9.1	4.9	3	silty CLAY to CLAY	115	1.5	17	22	7	-	-	2.2	7.8	48	0.005	2.84	15
41.01	23.8	18.5	-	23.6	0.9	-8.5	4.0	3	silty CLAY to CLAY	115	1.5	12	16	6	-	-	1.6	5.5	52	0.005	2.90	15
41.18	19.6	15.2	-	19.5	0.6	-8.1	3.5	3	silty CLAY to CLAY	115	1.5	10	13	5	-	-	1.3	4.4	54	0.005	2.93	15
41.34	18.7	14.4	-	18.5	0.5	-7.9	3.3	3	silty CLAY to CLAY	115	1.5	10	12	4	-	-	1.2	4.1	55	0.005	2.94	15
41.50	18.0	13.9	-	17.9	0.6	-7.6	3.6	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	4.0	57	0.005	2.98	15
41.67	17.7	13.5	-	17.5	0.6	-7.3	3.8	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.8	59	0.005	3.00	15
41.83	17.0	13.0	-	16.9	0.5	-7.3	3.7	3	silty CLAY to CLAY	115	1.5	9	11	4	-	-	1.1	3.7	59	0.005	3.01	15
42.00	16.0	12.1	-	15.8	0.5	-7.2	3.5	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.0	3.4	60	0.005	3.03	15
42.16	14.8	11.2	-	14.7	0.4	-7.2	3.2	3	silty CLAY to CLAY	115	1.5	7	10	4	-	-	1.0	3.1	61	0.005	3.04	15
42.32	13.4	10.1	-	13.2	0.3	-7.2	3.1	3	silty CLAY to CLAY	115	1.5	7	9	3	-	-	0.9	2.7	64	0.005	3.08	15
42.49	12.4	9.4	-	12.3	0.3	-7.1	3.0	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.5	66	0.005	3.10	15
42.65	12.1	9.1	-	12.0	0.3	-7.0	2.6	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.4	64	0.005	3.08	15
42.82	11.4	8.5	-	11.3	0.2	-6.9	2.6	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.7	2.2	66	0.005	3.11	15
42.98	11.2	8.4	-	11.1	0.3	-6.8	3.0	3	silty CLAY to CLAY	115	1.5	6	7	3	-	-	0.7	2.1	69	0.005	3.15	15
43.15	12.1	9.0	-	12.0	0.4	-6.7	4.3	3	silty CLAY to CLAY	115	1.5	6	8	3	-	-	0.8	2.3	74	0.005	3.21	15
43.31	14.5	10.7	-	14.3	0.5	-6.6	3.9	3	silty CLAY to CLAY	115	1.5	7	10	4	-	-	0.9	2.9	66	0.005	3.11	15
43.47	17.2	12.7	-	17.1	0.5	-6.5	3.2	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.6	57	0.005	2.98	15
43.64	16.7	12.3	-	16.6	0.5	-6.2	3.7	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.4	61	0.005	3.03	15
43.80	16.9	12.4	-	16.7	0.5	-5.9	3.6	3	silty CLAY to CLAY	115	1.5	8	11	4	-	-	1.1	3.5	60	0.005	3.03	15
43.97	18.0	13.2	-	17.9	0.5	-5.7	3.4	3	silty CLAY to CLAY	115	1.5	9	12	4	-	-	1.2	3.7	57	0.005	2.98	15

* Indicates the parameter was calculated using the normalized point stress.
The parameters listed above were determined using empirical correlations.
A Professional Engineer must determine their suitability for analysis and design.

Middle Earth Geo Testing

APPENDIX B: LABORATORY TEST PROGRAM

The laboratory testing program was performed to evaluate the physical and mechanical properties of the soils retrieved from the site to aid in verifying soil classification.

Moisture Content: The natural water content was determined (ASTM D2216) on seven samples of the materials recovered from the hand auger borings. This water content is recorded on the boring log at the appropriate sample depth.

Plasticity Index: One Plasticity Index determination (ASTM D4318) was performed on a sample of the subsurface soil to measure the range of water contents over which this material exhibits plasticity. The Plasticity Index was used to classify the soil in accordance with the Unified Soil Classification System and to evaluate the soil expansion potential. Results of this test are shown on the boring log at the appropriate sample.

Soil Corrosion: Two soluble sulfate (ASTM D4327), two resistivity (ASTM G57), two chloride (ASTM D4327), and two pH test (ASTM G51) were performed on two samples of the subsurface soil. Results of these tests are attached in this appendix.

Corrosivity Tests Summary

CORNERSTONE EARTH GROUP

Job Number	461-16-2	Date Tested	11/18/2020
Job Name	California Circle	Tested By	FLL
Location	Milpitas, CA		

Sample I.D.			Soil Visual Description	Moisture Content	pH	Temp. at Testing	Resistivity (Ohm-cm)		Chloride	Sulfate
							Corrected to 15.5 C°		Dry Wt.	Dry Wt.
Boring	Sample No.	Depth, ft.		%		C°	As Received	Saturated	mg/kg	mg/kg
				ASTM D2216	ASTM G51		G57	ASTM G57	ASTM D4327	ASTM D4327
HA-1	2	1.5	Brown Clayey Sand with Gravel (SC) [Fill]	10.0	7.4	22.9	-	1,410	8	413
HA-2	5	4.5	Brown Clayey Sand with Gravel (SC) [Fill]	11.9	7.5	22.7	-	1,428	8	547

APPENDIX C: PREVIOUS SUBSURFACE DATA (CORNERSTONE 2019)

BORING NUMBER EB-1

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 DATE COMPLETED 7/2/19
GROUND ELEVATION _____ BORING DEPTH 5 ft.
DRILLING CONTRACTOR Penecore LATITUDE _____ LONGITUDE _____
DRILLING METHOD Direct Push GROUND WATER LEVELS:
LOGGED BY NKM ▽ AT TIME OF DRILLING Not Encountered
NOTES _____ ▼ AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		Portland cement concrete over 6 inches coarse subangular gravel			X		0		
			Poorly Graded Sand with Gravel (SP) moist, brownish orange, fine sand, well graded subrounded gravel				100	0		
			Silt (ML) moist, dark brown, low plasticity					0		
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

BORING NUMBER EB-2

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 DATE COMPLETED 7/2/19
GROUND ELEVATION _____ BORING DEPTH 5 ft.
DRILLING CONTRACTOR Penecore LATITUDE _____ LONGITUDE _____
DRILLING METHOD Direct Push GROUND WATER LEVELS:
LOGGED BY NKM ▽ AT TIME OF DRILLING Not Encountered
NOTES _____ ▼ AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		coarse subangular gravel							
			Poorly Graded Sand (SP) moist, brownish orange, some well graded subrounded gravel			X		0		
							100	0		
			Silt (ML) moist, dark brown, low plasticity					0		
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

BORING NUMBER EB-3

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 DATE COMPLETED 7/2/19
GROUND ELEVATION _____ BORING DEPTH 5 ft.
DRILLING CONTRACTOR Penecore LATITUDE _____ LONGITUDE _____
DRILLING METHOD Direct Push GROUND WATER LEVELS:
LOGGED BY NKM AT TIME OF DRILLING Not Encountered
NOTES _____ AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		coarse subangular gravel							
			Lean Clay (CL) moist, brown					0		
			Poorly Graded Sand with Gravel (SP) moist, orange-brown, medium to fine sand, fine gravel				100	0		
			Poorly Graded Gravel (GP) coarse gravel							
			Clayey Sand with Gravel (SC) moist, orange-brown, medium to fine sand, fine gravel					0		
	5		Bottom of Boring at 5.0 feet.			X				
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

BORING NUMBER EB-4

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 DATE COMPLETED 7/2/19
GROUND ELEVATION _____ BORING DEPTH 5 ft.
DRILLING CONTRACTOR Penecore LATITUDE _____ LONGITUDE _____
DRILLING METHOD Direct Push GROUND WATER LEVELS:
LOGGED BY NKM ▽ AT TIME OF DRILLING Not Encountered
NOTES _____ ▼ AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		coarse subangular gravel							
			Sandy Lean Clay (CL) moist, gray, fine sand			X		0		
			Clayey Sand with Gravel (SC) moist, orange-brown, fine sand, fine subrounded gravel				100	0		
			Silt (ML) dark brown, low plasticity					0		
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

BORING NUMBER EB-5

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/3/19 DATE COMPLETED 7/3/19
GROUND ELEVATION _____ BORING DEPTH 15 ft.
DRILLING CONTRACTOR Penecore LATITUDE _____ LONGITUDE _____
DRILLING METHOD Direct Push GROUND WATER LEVELS:
LOGGED BY NKM ▽ AT TIME OF DRILLING 8 ft.
NOTES _____ ▼ AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		6 inches asphalt concrete over aggregate base			X				
			Lean Clay with Sand and Gravel (CL) moist, gray, fine sand, coarse subangular gravel				87	0		
	5		**Lean Clay with Sand (CL)** moist, brown, fine sand				78	0		
	10		**Clayey Sand (SC)** wet, brown			X	33	0		
	15		Bottom of Boring at 15.0 feet.							
	20									

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BORING NUMBER EB-6

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 DATE COMPLETED 7/2/19
GROUND ELEVATION _____ BORING DEPTH 18 ft.
DRILLING CONTRACTOR Penecore LATITUDE _____ LONGITUDE _____
DRILLING METHOD Direct Push GROUND WATER LEVELS:
LOGGED BY NKM ▽ AT TIME OF DRILLING 11.5 ft.
NOTES ▼ AT END OF DRILLING 13.5 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		2 inches asphalt concrete over 3 inches aggregate base			X		0		
			Poorly Graded Sand with Gravel (SP) moist, brown, fine sand, fine subrounded gravel							
			Lean Clay (CL) moist, dark brown				73	0		
								0		
	5		**Sandy Lean Clay (CL)** moist, brown, fine sand							
			Lean Clay (CL) moist, brown				100	0		
	10		becomes wet at 11.5'							
							100	0		
	15					X				
							100	0		
			Bottom of Boring at 18.0 feet.							
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

BORING NUMBER EB-7

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/3/19 DATE COMPLETED 7/3/19
GROUND ELEVATION _____ BORING DEPTH 18 ft.
DRILLING CONTRACTOR Penecore LATITUDE _____ LONGITUDE _____
DRILLING METHOD Direct Push GROUND WATER LEVELS:
LOGGED BY NKM ▽ AT TIME OF DRILLING Not Encountered
NOTES _____ ▼ AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		3 inches Portland cement concrete over 6 inches aggregate base			X				
			Fat Clay (CH) moist, dark brown							
			Poorly Graded Sand (SP) medium dense, moist, brown				95	0		
			becomes wet at 3.5'							
	5		**Silty Clay (CL-ML)** wet, brown							
			becomes moist at 7'				72	0		
	10		**Lean Clay with Sand (CL)** moist, brown and gray mottled, coarse sand							
							100	0		
	15					X				
			Poorly Graded Sand (SP) moist, brown				78	0		
			Lean Clay (CL) moist, orange and gray mottled							
			Bottom of Boring at 18.0 feet.							
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

BORING NUMBER EB-8

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/3/19 DATE COMPLETED 7/3/19
GROUND ELEVATION _____ BORING DEPTH 18 ft.
DRILLING CONTRACTOR Penecore LATITUDE _____ LONGITUDE _____
DRILLING METHOD Direct Push GROUND WATER LEVELS:
LOGGED BY NKM ▽ AT TIME OF DRILLING Not Encountered
NOTES _____ ▼ AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		asphalt concrete over 6 inches aggregate base							
			Sandy Lean Clay (CL) moist, brown							
			Lean Clay with Gravel (CL) moist, orange and brown mottled, coarse subrounded gravel				92	0		
	5									
							35	0		
	10		**Fat Clay (CH)** moist, brown							
							100	0		
			Lean Clay (CL) moist, grayish brown							
	15					X				
			Bottom of Boring at 18.0 feet.							
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

APPENDIX D: RESULTS OF SOIL CORROSION EVALUATION

11/18/2020

jdh corrosion consultants, inc.

1355 California Circle Preliminary GI
Milpitas, CA

SUBMITTED TO

Bryan Cervantes Guzman, EIT

Staff Engineer

Cornerstone Earth Group

1259 Oakmead Parkway

Sunnyvale, California 94085

JDH JOB NUMBER

2020278

November 18, 2020

Cornerstone Earth Group, Inc.
1259 Oakmead Parkway
Sunnyvale, California 94085

Attention: **Bryan Cervantes Guzman, EIT**
Staff Engineer

Subject: **Site Corrosivity Evaluation**
1355 California Circle Preliminary GI
Milpitas, CA
Project: 461-16-2

Dear Bryan,

In accordance with your request, we have reviewed the laboratory soils data for the above referenced project site. Our evaluation of these results and our corresponding recommendations for corrosion control for the above referenced project foundations and buried site utilities are presented herein for your consideration.

Soil Testing & Analysis

Soil Chemical Analysis

Two (2) soil samples from the project site were chemically analyzed for corrosivity by **Cornerstone Earth Group**. The samples were analyzed for chloride and sulfate concentration, pH, resistivity at 100% saturation and moisture percentage. The test results are presented in Cornerstone Earth Group Test Summary dated 11/18/2020. The results of the chemical analysis were as follows:

Soil Laboratory Analysis

Chemical Analysis	Range of Results	Corrosion Classification*
Chlorides	8 mg/kg	Non-corrosive*
Sulfates	413 – 547 mg/kg	Mildly Corrosive**
pH	7.4 - 7.5	Non-corrosive *
Moisture (%)	10.0 – 11.9 %	Not-applicable
Resistivity at 100% Saturation	1,410 – 1,428 ohm-cm	**Corrosive***

* With respect to bare steel or ductile iron.
** With respect to mortar coated steel

Discussion

Reinforced Concrete Foundations

Due to the low levels of water-soluble sulfates found in these soils, there is no special requirement for sulfate resistant concrete to be used at this site. The type of cement used should be in accordance with California Building Code (CBC) for soils which have less than 0.10 percent by weight of water soluble sulfate (SO_4) in soil and the minimum depth of cover for the reinforcing steel should be as specified in CBC as well.

Underground Metallic Pipelines

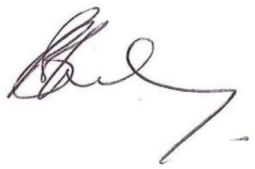
The soils at the project site are generally considered to be "corrosive" to ductile/cast iron, steel and dielectric coated steel based on the saturated resistivity measurements. Therefore, special requirements for corrosion control are required for buried metallic utilities at this site depending upon the critical nature of the piping. Pressure piping systems such as domestic and fire water should be provided with appropriate coating systems and cathodic protection, where warranted. In addition, all underground pipelines should be electrically isolated from above grade structures, reinforced concrete structures and copper lines in order to avoid potential galvanic corrosion problems.

LIMITATIONS

The conclusions and recommendations contained in this report are based on the information and assumptions referenced herein. All services provided herein were performed by persons who are experienced and skilled in providing these types of services and in accordance with the standards of workmanship in this profession. No other warrantees or guarantees, expressed or implied, is provided.

We thank you for the opportunity to be of service to **Cornerstone Earth Group** on this project and trust that you find the enclosed information satisfactory. If you have any questions, or if we can be of any additional assistance, please feel free to contact us at (925) 927-6630.

Respectfully submitted,



Brendon Hurley
JDH CORROSION CONSULTANTS, INC.
Field Technician



Mohammed Ali., P.E.
JDH Corrosion Consultants, Inc.
Senior Corrosion Engineer

CC: File 2020278

APPENDIX 3.8

Phase I Environmental Site Assessment

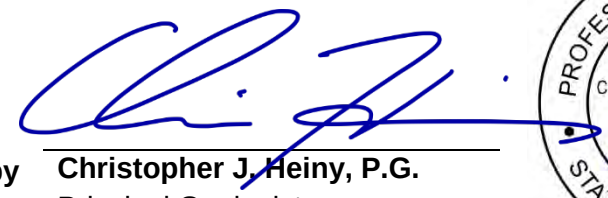
CORNERSTONE EARTH GROUP

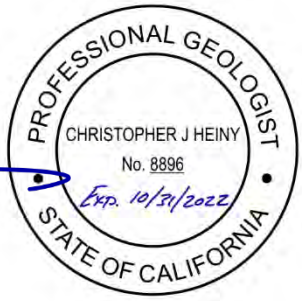
TYPE OF SERVICES	Phase I Environmental Site Assessment Update
LOCATION	1355 California Circle Milpitas, California
CLIENT	Pulte Homes
PROJECT NUMBER	461-16-1
DATE	November 18, 2020



CORNERSTONE EARTH GROUP

Type of Services	**Phase I Environmental Site Assessment Update**
Location	**1355 California Circle Milpitas, California**
Client	**Pulte Homes**
Client Address	**4511 Willow Road, Suite 8 Pleasanton, California 94588**
Project Number	**461-16-1**
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CORNERSTONE EARTH GROUP

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Type of Services	**Phase I Environmental Site Assessment Update**
Location	**1355 California Circle** **Milpitas, California**

SECTION 1: INTRODUCTION

This report presents the results of the Phase I Environmental Site Assessment (ESA) Update performed at 1355 California Circle in Milpitas, California (Site) as shown on Figures 1 and 2. This Phase I ESA updates the previous Phase I ESA prepared by Cornerstone Earth Group (Cornerstone) dated July 18, 2019. This work was performed for Pulte Homes (Pulte) in accordance with our November 4, 2020 Agreement (Agreement).

1.1 PURPOSE

The scope of work presented in the Agreement was prepared in general accordance with ASTM E 1527-13 titled, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM Standard). The ASTM Standard is in general compliance with the Environmental Protection Agency (EPA) rule titled, "Standards and Practices for All Appropriate Inquiries; Final Rule" (AAI Rule). The purpose of this Phase I ESA is to strive to identify, to the extent feasible pursuant to the scope of work presented in the Agreement, Recognized Environmental Conditions at the property.

As defined by ASTM E 1527-13, the term Recognized Environmental Condition 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. De minimis conditions are not Recognized Environmental Conditions.

Cornerstone understands that Pulte intends to purchase the property for residential redevelopment. We performed this Phase I ESA to support Pulte in evaluation of Recognized Environmental Conditions at the Site. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for Recognized Environmental Conditions at the Site.

The additional purpose of this investigation was to perform a preliminary soil, soil vapor and groundwater quality evaluation.

1.2 SCOPE OF WORK

As presented in our Agreement, the scope of work performed for this Phase I ESA Update included the following:

- A reconnaissance of the Site to note readily observable indications of significant hazardous materials releases to structures, soil or ground water.
- Drive-by observation of adjoining properties to note readily apparent hazardous materials activities that have or could significantly impact the Site.
- Acquisition and review of a regulatory agency database report of public records for the general area of the Site to evaluate potential impacts to the Site from reported contamination incidents at nearby facilities.
- Review of readily available information on file at selected governmental agencies to help evaluate past and current Site use and hazardous materials management practices.
- Review of readily available maps and aerial photographs to help evaluate past and current Site uses.
- Preparation of a written report summarizing our findings and recommendations.

The limitations for the Phase I ESA are presented in Section 10.

1.3 ASSUMPTIONS

In preparing this Phase I ESA, Cornerstone assumed that all information received from interviewed parties is true and accurate. In addition, we assumed that all records obtained by other parties, such as regulatory agency databases, maps, related documents and environmental reports prepared by others are accurate and complete. We also assumed that the boundaries of the Site, based on information provided by Pulte, are as shown on Figure 2. We have not independently verified the accuracy or completeness of any data received.

1.4 ENVIRONMENTAL PROFESSIONAL

This Phase I ESA was performed by Christopher J. Heiny, P.G. and Peter M. Langtry, P.G., C.E.G., Environmental Professionals who meet the qualification requirements described in ASTM E 1527-13 and 40 CFR 312 § 312.10 based on professional licensing, education, training and experience to assess a property of the nature, history and setting of the Site.

SECTION 2: SITE DESCRIPTION

This section describes the Site as of the date of this Phase I ESA. The location of the Site is shown on Figures 1 and 2. Tables 1 through 3 summarize general characteristics of the Site and adjoining properties. The Site is described in more detail in Section 7, based on our on-Site observations.

2.1 LOCATION AND OWNERSHIP

Table 1 describes the physical location, and ownership of the property, based on information provided by Pulte.

Table 1. Location and Ownership

Assessor's Parcel No. (APN)	022-38-007
Reported Address/Location	1355 California Circle, California 95035
Owner	Mathew Property I, II, and III, LLC*
Approximate Lot Size	6.69
Approximate Bldg. Size	90,000 square feet
Construction Date	1986

*As reported in the Preliminary Title Report dated March 15, 2019 (Section 3.2)

2.2 CURRENT/PROPOSED USE OF THE PROPERTY

The current and proposed uses of the property are summarized in Table 2.

Table 2. Current and Proposed Uses

Current Use	Vacant, Formerly office and research/development (R&D)
Proposed Use	Residential

2.3 SITE SETTING AND ADJOINING SITE USE

Land use in the general Site vicinity appears to be mixed commercial/industrial and residential. Many of the commercial/industrial properties are in the process of converting to residential land use. Based on our Site vicinity reconnaissance, adjoining Site uses are summarized below in Table 3.

Table 3. Adjoining Site Uses

North	Commercial/Industrial (Vacant)
South	Vacant
East	Commercial and Residential
West	Interstate 880 and Sewage Pump Station (across highway)

SECTION 3: USER PROVIDED INFORMATION

The ASTM standard defines the User as the party seeking to use a Phase I ESA to evaluate the presence of Recognized Environmental Conditions associated with a property. For the purpose of this Phase I ESA, the User is Pulte. The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires specific tasks be performed by or on behalf of the party seeking to qualify for Landowner Liability Protection under CERCLA (*i.e*, the User).

Per the ASTM standard, if the User has information that is material to Recognized Environmental Conditions, such information should be provided to the Environmental Professional. This information includes: 1) specialized knowledge or experience of the User, 2) commonly known or reasonably ascertainable information within the local community, and 3) knowledge that the purchase price of the Site is lower than the fair market value due to contamination. A search of title records for environmental liens and activity and use limitations also is required.

3.1 CHAIN OF TITLE

A chain-of-title was not provided for our review.

3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

An environmental lien is a financial instrument that may be used to recover past environmental cleanup costs. Activity and use limitations (AULs) include other environmental encumbrances, such as institutional and engineering controls. Institutional controls (ICs) are legal or regulatory restrictions on a property's use, while engineering controls (ECs) are physical mechanisms that restrict property access or use.

The regulatory agency database report described in Section 4.1 did not identify the Site as being in 1) US EPA databases that list properties subject to land use restrictions (*i.e.*, engineering and institutional controls) or Federal Superfund Liens or 2) lists maintained by the California Department of Toxic Substances Control (DTSC) of properties that are subject to AULs or environmental liens where the DTSC is a lien holder.

A Preliminary Title Report by First American Title Company (dated March 15, 2019) was reviewed during preparation of the previous Phase I ESA (Appendix A). No environmental liens or records of ownership (including leases) indicative of significant hazardous materials use associated with the Site were listed in the title report. An updated Preliminary Title Report was not provided for our review.

3.3 SPECIALIZED KNOWLEDGE AND/OR COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Based on information provided by or discussions with Pulte, we understand that Pulte does not have specialized knowledge or experience, commonly known or reasonably ascertainable information regarding the Site, or other information that is material to Recognized Environmental Conditions.

SECTION 4: RECORDS REVIEW

4.1 PREVIOUS PHASE I ESA AND PRELIMINARY SOIL QUALITY EVALUATION

Cornerstone previously prepared a *Phase I ESA and Preliminary Soil, Soil Vapor, and Groundwater Quality Evaluation* dated July 18, 2019. Information reviewed during preparation of this Phase I ESA indicated that the Site appears to have been undeveloped land until approximately the late 1970s when a golf course was constructed on-Site and on the adjacent properties. The golf course appears to have been demolished by the early 1980s, and the current business park development encompassing the Site was developed beginning in the early 1980s. The existing structure was built in 1986 and was used by Sun Microsystems, LTX-Credence Corporation, and XCERRA Corporation for semiconductor research and development (R&D) purposes and office space. The structure was vacated in 2016 and reportedly has remained vacant since.

A 1,000-gallon diesel underground storage tank (UST) reportedly was present along the western side of the structure and was used to fuel an emergency generator. This UST reportedly was removed in 1992 under observation by the Milpitas Fire Department, which noted that no holes or leaks were observed during UST removal and that no odors or visibly

stained soil was observed in the UST pit. This UST reportedly was replaced with aboveground storage tanks (ASTs). These ASTs were not present at the time of the 2019 Phase I ESA.

Cornerstone collected soil, soil vapor, and groundwater samples in July 2019 to determine if the previous Site uses identified in this Phase I ESA impacted the subsurface. The locations of these borings are provided in Figure 2. The tables and figures from the previous report are included in Appendix B. A summary of this previous subsurface evaluation is provided below; however, please refer to the full report for complete details.

Diesel-range petroleum hydrocarbons (TPHd) were detected at a concentration of 2,440 milligrams per kilogram (mg/kg) in the approximately 15 to 16 foot sample collected from exploratory boring SS-6, which is above the Tier 1 ESL[1] of 260 mg/kg. This boring was located near the reported location of the former UST. All other parameters detected were below their respective screening criteria or within published background concentrations.

Groundwater was encountered at depths between approximately 8 and 11 feet, and groundwater grab samples were collected from four of the exploratory borings (GW-5 through GW-8). TPHd was detected at concentrations above the ESL in the groundwater samples collected from GW-5 and GW-6. GW-5 was located adjacent to California Circle and in the assumed up-gradient direction, and GW-6 was located near the former UST. All other groundwater detections were below their respective screening criteria.

Benzene was detected at concentrations up to 52 micrograms per cubic meter (µg/m^3) and exceeded the Tier 1 ESL of 3.2 µg/m^3 in three samples (SV-3, SV-5, and SV-6). TPHg and ethylbenzene were detected in two samples (SV-5 and SV-6) at concentrations above the Tier 1 ESLs of 3,300 µg/m^3 and 37 µg/m^3, respectively. The sample collected from the location adjacent to the former UST (SV-6) contained the higher benzene, TPHg, and ethylbenzene concentrations.

Chloroform was detected at concentrations above the Tier 1 ESL of 4.1 µg/m^3 in three samples (SV-1, SV-2, and SV-4). Note that chloroform can be a biproduct of water disinfection and is commonly detected at low concentrations. These concentrations detected do not appear to be associated with a release.

The soil, soil vapor, and groundwater samples collected from the boring closest to and in the assumed downgradient direction from the UST contained TPHd concentrations in soil and groundwater above the Tier 1 ESL and benzene, ethylbenzene, and TPHg in soil vapor samples above their respective Tier 1 ESLs. These detections appear to be restricted to the area near this former UST and may indicate residual subsurface impacts from the former UST. The fill material within the UST excavation likely will require excavation and removal prior for geotechnical requirements. Removal of this material, along with any other material encountered during this excavation, may reduce the concentrations of petroleum hydrocarbons and VOCs detected in the subsurface. Additional sampling should be considered after Site demolition and removal of the UST fill materials to determine current subsurface conditions.

4.2 STANDARD ENVIRONMENTAL RECORD SOURCES

Cornerstone conducted a review of federal, state and local regulatory agency databases provided by Environmental Data Resources (EDR) to evaluate the likelihood of contamination

[1] Environmental Screening Level (ESL), San Francisco Bay, Regional Water Quality Control Board, January 2019.

incidents at and near the Site. The database sources and the search distances are in general accordance with the requirements of ASTM E 1527-13. A list of the database sources reviewed, a description of the sources, and a radius map showing the location of reported facilities relative to the project Site are attached in Appendix C.

The purpose of the records review was to obtain reasonably available information to help identify Recognized Environmental Conditions. Accuracy and completeness of record information varies among information sources, including government sources. Record information is often inaccurate or incomplete. The Environmental Professional is not obligated to identify mistakes or insufficiencies or review every possible record that might exist with the Site. The customary practice is to review information from standard sources that is reasonably available within reasonable time and cost constraints.

4.2.1 On-Site Database Listings

The Site was identified in several of the researched regulatory agency databases. The database listings for the Site are summarized in Table 4.

Table 4. Regulatory Database Listings for 1355 California Circle

Site Name	Database Listings	Database Comments
Grifall Trucking	Hazardous Materials Database (HAZNET)	Hazardous waste manifests reporting approximately 10 tons of waste oil / mixed oil waste.
Sun Microsystems	California Integrated Water Quality System (CIWQS)	Registration for industrial storm water discharges from 1996 to 2001. No violations reported.
Redwood City Electric Inc	HAZNET	Hazardous waste manifests reporting approximately 0.2 tons of an unspecified waste.
Sun Microsystems Computer Corp	HAZNET	Hazardous waste manifests reporting "other organic solids" waste
Sun Micro Systems	Statewide environmental evaluation and planning system (SWEEPS UST); Local list of registered USTs (CA FID UST)	Registration for one 1,000-gallon diesel underground (UST).
LTX-Credence Corporation	Certified Unified Program Agencies (CUPA LISTINGS)	Santa Clara County CUPA registration for the generation of between 100 kilograms and 5 tons of hazardous waste per year
Credence Systems Corp	HAZNET	Multiple hazardous waste manifests; no violations reported.
Credence System	Facility Indexing System (FINDS)	The FINDS database contains facility information and points to other databases where additional information may be available.
(No Name)	California Hazardous Material Incident Report System (CHMIRS)	Reported a spill of approximately 10 to 15 gallons of diesel on January 6, 1997. A truck reportedly ran off the road and punctured its fuel tank. The spill reportedly was contained, and impacted material was removed from the Site.

The database listings indicate that one 1,000-gallon diesel UST was formerly present on-Site. This is the same UST discussed in Section 4.1 and in 4.6.1. The HAZNET database listings

appear to relate to the generation of hazardous waste from business activities. No violations were reported. The CHMIRS database indicates that approximately 10 to 15 gallons of diesel fuel reportedly was accidently spilled in January 1997 from a punctured fuel tank. The spill and impacted material reportedly were removed from the Site.

Cornerstone additionally performed a search on the state's Geotracker (http://geotracker.waterboards.ca.gov) and Envirostor (http://www.envirostor.dtsc.ca.gov) databases. Geotracker is a database and geographic information system (GIS) that provides online access to environmental data. It tracks regulatory data about leaking underground storage tank (LUST), Department of Defense, Site Cleanup Program and Landfill sites. The Envirostor database is maintained by the Department of Toxic Substances Control (DTSC) and contains information on investigation, cleanup, permitting, and/or corrective actions that are planned, being conducted or have been completed under DTSC's oversight. The Envirostor database includes the following site types: Federal Superfund sites; State Response sites; Voluntary Cleanup sites; and School sites.

The Site was not listed in the Geotracker or Envirostor databases. However, a water well drillers report was located on the California Department of Water Resources (DWR) website. The DWR maintains well installation and destruction logs for all wells in California. The information reviewed indicates that one well, W-1, is located on the western side of the Site, near the former UST. The well record indicates that the well was installed on December 7, 1987. The well reportedly is 2-inches in diameter and approximately 25 feet deep with a 10-foot well screen. The flush-mounted well box was observed by Cornerstone during our Site visit (Section 7.2), but the well casing appeared to have been filled with sediment. This well likely has not been abandoned as the Santa Clara Valley Water District (SCVWD) destruction regulations requires removal of surface completion features.

4.2.2 Adjoining Property Database Listings and Nearby Spill Incidents

Database listings for adjoining properties are summarized in Table 5. The information reviewed about these database listings did not appear to indicate a significant potential to impact the Site. The potential for Site impact was evaluated based on information presented in the agency database records regarding the types of releases, locations of the reported incidents in relation to the Site and the assumed ground water flow direction.

Table 5. Adjoining Property Database Listings

Site Name and Address	Distance/ Direction	Database Listings	Database Comments
Sun Microsystems, Inc 1430 California Circle	105 feet east (adjacent)	RCRA NONGEN / NLR	Database listing indicates this facility does not generate RCRA hazardous waste.
Solectron California 1430 California Cir	105 feet east (adjacent)	FINDS, Small Quantity Hazardous Waste Generator (RCRA-SQG), Emissions Monitoring Inventory (EMI), Enforcement and Compliance History Information (ECHO)	Database reports the generation of a variety of hazardous wastes including solvents and organic/hydrocarbon air emissions
Solectron California Bldg 22 1430 California Cir	105 feet east (adjacent)	CUPA LISTINGS	Registration for the management and generation of hazardous materials
Sun Microsystems Inc 1430 California Cir	105 feet east (adjacent)	CUPA LISTINGS	Registration for the management and generation of hazardous materials
Computer Products-Bpschert 1331 California Circle	200 feet southeast (adjacent)	FINDS, RCRA-SQG, HAZNET, ECHO	Registration as a small quantity hazardous waste generator
KZ Kitchen - Milpitas 1421 California Circle	200 feet northeast (adjacent)	CUPA LISTINGS, CERS	Records containing previous hazardous material inspections. No significant violations noted.
Sun Microsystems 1421 California Circle	200 feet northeast (adjacent)	FINDS, RCRA-SQG, ECHO	Registration as a small quantity hazardous waste generator

Note: Facility name, address, distance and direction from Site, and database listing were provided by EDR. Cornerstone did not verify the accuracy or completeness of this information.

4.3 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

The following additional sources of readily ascertainable public information for the Site also were reviewed during this Phase I ESA.

4.3.1 City and County Agency File Review

Cornerstone requested available files pertaining to 1355 California Circle at the following public agencies: the City of Milpitas Building Department (BD), Milpitas Fire Department (FD), and the Santa Clara County Department of Environmental Health (DEH). No records dated after the previous Phase I ESA were available for our review from these sources. Below is a summary of the records reviewed during preparation of the prior Phase I ESA.

The BD contained permits related to minor improvements and repairs. No permits were provided that contained information indicative of hazardous materials spills or leaks.

The FD and DEH both contained inspection and inventory records related to the storage of hazardous materials and generation of hazardous wastes. Hazardous material/waste

inventories from Credence Systems and Sun Microsystems indicated various organic compounds were used and stored on site, such as isopropyl alcohol, acetone, ethanol, diesel fuel, methanol, 1,2-transdichloroethene, among others. In addition, the inventories list soldering materials containing lead, silver, and tin. No violations were noted that indicated potential spills or leaks from these materials.

The FD files contained files related to the removal of the 1,000-gallon diesel UST. According to a letter from Sun Microsystems and dated April 24, 1992, generator upgrades were required for the Site to ensure an uninterruptable power supply in the event of a power failure. These upgrades required additional diesel fuel beyond the 1,000-gallon UST that was present. Sun Microsystems elected to remove the existing UST and replace with three 1,000-gallon diesel ASTs. The UST reportedly was removed on September 16, 1992 under permit through the FD. A memorandum prepared by the FD inspector and dated September 21, 1992 is included in Appendix E. The inspector noted that no holes were noted in the tank and no odors or visibly stained soil was observed within the excavation. Two soil samples were collected from beneath each end of the UST; diesel-range petroleum hydrocarbons (TPHd) and BTEX (benzene, toluene, ethylbenzene, and xylenes) reportedly were not detected in the samples analyzed. The laboratory report was not included with the memorandum. Three 1,000-gallon ASTs reportedly were installed after removal of the UST. The FD files contained records of the passed tank and piping tightness testing performed prior to operation of these ASTs. The UST and AST-related files reviewed from the FD are included in Appendix F.

4.3.2 Radon

Elevated levels of radon in indoor air are a result of radon moving into buildings from the soil, either by diffusion or flow due to air pressure differences. The ultimate source of radon is the uranium that is naturally present in rock, soil, and water. Some types of rocks are known to have uranium concentrations greater than others and, consequently, there is an increased chance of elevated radon concentrations in soils and weathered bedrock where they are located. Areas down-slope which received sediments and/or surface and ground water from rock units with above average uranium content also have an increased likelihood of elevated radon concentrations in soil gas. In California, bedrock that can contain above average uranium concentrations includes the Monterey formation, asphaltic rocks, marine phosphatic rocks, granitic rocks, felsic volcanic rocks, and certain metamorphic rocks.

The federal EPA has established an action level of 4 pCi/L, above which the EPA recommends taking action to reduce radon levels in structures. To help local, state, and federal agencies prioritize resources and implement radon-control building codes, the EPA published maps of radon hazards for each county in California (www.epa.gov/radon/zonemap/california.htm).

The Site is located in Santa Clara County, which is designated by the EPA as Zone 2 with a moderate potential (from 2 to 4 pCi/L). It is important to note that EPA has identified structures with elevated levels of radon in all three zones, and the EPA recommends Site-specific testing in order to determine radon testing at a specific location.

Based on information present in the regulatory agency database report, there have been 32 radon screening tests in the Site vicinity (zip code 95035) with no tests exceeding 4 pCi/L.

4.3.3 Division of Oil, Gas and Geothermal Resources Maps

To evaluate the presence of oil or gas wells on-Site and in the immediate Site vicinity, maps available on-line at the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (http://www.consrv.ca.gov/dog) were reviewed. Review of the available map for the Site did not show oil or gas wells on-Site or on the adjacent properties.

SECTION 5: PHYSICAL SETTING

We reviewed readily available geologic and hydrogeologic information to evaluate the likelihood that chemicals of concern released on a nearby property could pose a significant threat to the Site and/or its intended use.

5.1 RECENT USGS TOPOGRAPHIC MAP

A 2012 USGS 7.5 minute topographic map was reviewed to evaluate the physical setting of the Site. The Site's elevation is approximately 12 feet above mean sea level; topography in the vicinity of the Site slopes downward gently to the west, towards the San Francisco Bay.

5.2 HYDROGEOLOGY

Shallow groundwater was encountered at depths between approximately 8 and 11 feet in the exploratory borings advanced in conjunction with the previous Phase I ESA (2019). Groundwater likely flows toward the west, towards the bay.

SECTION 6: HISTORICAL USE INFORMATION

The objective of the review of historical use information is to develop a history of the previous uses of the Site and surrounding area in order to help identify the likelihood of past uses having led to Recognized Environmental Conditions at the property. The ASTM standard requires the identification of all obvious uses of the property from the present back to the property's first developed use, or back to 1940, whichever is earlier, using reasonably ascertainable standard historical sources.

6.1 HISTORICAL SUMMARY OF SITE

The historical sources reviewed are summarized below. The results of our review of these sources are summarized in Table 6.

- **Historical Aerial Photographs:** We reviewed aerial photographs dated between 1939 and 2016 obtained from EDR of Milford, Connecticut; copies of aerial photographs reviewed are presented in Appendix D.

- **Historical Topographic Maps:** We reviewed USGS 15-minute and 7.5-minute historic topographic maps dated 1899, 1897, 1899, 1953, 1961, 1968, 1973, 1980, and 2012; copies of historic topographic maps reviewed are presented in Appendix D.

- **Historical Fire Insurance Maps:** EDR reported that the Site was not within the coverage area of fire insurance maps.

- **Local Street Directories:** We reviewed city directories obtained from EDR that were researched at approximately 5 year intervals between 1922 and 2014 to obtain information pertaining to past Site occupants. The city directory summary is presented in Appendix E.

Table 6. Summary of Historical Source Information for Site

Date	Source	Comments
1889, 1897, and 1899	Topographic Maps	The Site appears to be located in an undeveloped area with a roadway adjacent to or just within the western Site border.
1939	Aerial Photographs	The Site appears to be a vacant field with a natural drainage feature bisecting the Site.
1953, 1961, 1968, and 1973	Topographic Maps	Interstate 880 is present adjacent to the western boundary beginning with the 1953 Map.
1948 and 1950	Aerial Photographs	What appears to be a pond is located on the northwestern corner of the Site and extends off-Site to the north. An unpaved road or driveway traverses in an east-west direction across the center of the Site.
1959 and 1963	Aerial Photographs	The Site appears to have been plowed for dry-farming purposes. The 1963 aerial photograph shows a distinct north-south crop row pattern.
1968 and 1974	Aerial Photographs	The Site appears to be vacant.
1979	Aerial Photographs	A golf course is present on-Site. The golf course extends off-Site to the east, north, and south.
1980	Topographic Maps	The golf course is noted on-Site and on the adjacent properties.
1982	Aerial Photographs	The golf course is no longer present, and the Site appears to have been graded. The California Circle alignment is visible but appears to be under construction.
1993	Aerial Photographs	The existing structure is present in the 1993 image with no major modifications noted in subsequent aerial photographs.
2010	City Directory	LTX-Credence Corporation listed on-Site.
2012	Topographic Maps	California Circle is present adjacent and east of the Site.
2014	City Directory	LTX Credence Corporation and XCERRA Corporation listed on-Site

6.2 HISTORICAL SUMMARY OF SITE VICINITY

Based on our review of the information described in Section 6.1, the general Site vicinity appears to have been vacant/undeveloped with little agricultural use (dry farming) until the late 1950s when Interstate 880 was constructed. The existing wastewater treatment plant west of the Site was constructed by 1959. The Site vicinity remained undeveloped until the early 1960s when residential developments were constructed to the east of the Site. The residential development construction east of the Site appears to have continued through the 1970s. A golf course was constructed on and adjacent to the Site in the late 1970s but was demolished in the early 1980s. Construction on California Circle appears to have begun by 1982. The Site and

other properties along California Circle appear to have been graded by this time. Significant commercial and residential development occurred in the Site vicinity between 1982 and 1992. Commercial development continued in the 1990s to early 2000s. By 2006, the Site vicinity appears to be similar to current conditions. By 2012, some commercial structures were demolished for residential development. Conversion from commercial to residential land use continued since 2012.

SECTION 7: SITE RECONNAISSANCE

We performed a Site reconnaissance to evaluate current Site conditions and to attempt to identify Site Recognized Environmental Conditions. The results of the reconnaissance are discussed below. Additional Site observations are summarized in Table 7 in Section 7.2. Photographs of the Site are presented in Section 7.2.1.

7.1 METHODOLOGY AND LIMITING CONDITIONS

To observe current Site conditions (readily observable environmental conditions indicative of a significant release of hazardous materials), Cornerstone staff Christopher J. Heiny, P.G. visited the Site on November 9, 2020, and was unaccompanied. The Site reconnaissance was conducted by walking representative areas of the Site, including the interior(s) of the on-Site structure(s), the periphery of the structure(s) and the Site periphery. Cornerstone staff only observed those areas that were reasonably accessible, safe, and did not require movement of equipment, materials or other objects. Physical obstructions that limited our ability to view the ground surface at the Site included asphalt paved vehicle drives and parking areas.

7.2 OBSERVATIONS

The Site conditions observed during the current Site visit were similar to those previously observed during our Site visit on June 10, 2019, except for the following observations. During our current Site visit, the existing office furniture had been moved to a central location inside the building and appeared to be in the process of being removed from the Site. The carpet previously observed within several of the rooms was observed to have been removed. The northeastern corner of the parking lot was being used by Tesla for employee parking. A shuttle bus was present that provided transport from the parking lot to the Tesla plant in Fremont. The southwestern approximately fourth of the Site was being used by Tesla for storage of what appeared to be air handling/filtration equipment. This equipment consisted of large air handling units, filters, piping, and other related miscellaneous equipment. No hazardous materials were observed within this storage area.

The remainder of this section includes observations made during our previous Site visit on June 10, 2019 that were again observed during our current Site visit with no significant variations. The Site consisted of one large commercial/industrial building, an asphalt-paved parking area, and adjacent landscaped areas. At the rear (western) side of the structure, we observed a truck loading dock with a declined ramp, mechanical area, hazardous waste storage area, and several roll-up doors. A stormwater catch basin was observed at the bottom of the loading dock; no standing water, odors, or staining were observed within this area. The mechanical area consisted of compressors, electrical transformers, chilled water supply and return lines, a water chiller, and electrical service panels. The aboveground storage tanks and generators documented in the FD files were not present at the time of our visit. The area of the former UST was not readily apparent as there were several areas of patched asphalt within the exterior mechanical area. A monitoring well was observed approximately 10 feet west of the fence

enclosing the mechanical area. This well appears to be well W-1 documented in the DWR Well Completion Report. The well did not have a cap and the casing appeared to be filled with sediment. One additional stormwater catch basin was observed on the western side of the property within the parking area and one additional transformer was observed along the southern property boundary.

The former hazardous waste storage area was observed on the western side of the Site. This area was empty during our Site visit. The storage area consisted of concrete floor, an overhang, and was secured by a locking gate. No stains or other indicators of spills or leaks were observed within this area.

The interior of the on-Site building consisted of several labs, a large manufacturing area, cubical and enclosed office areas, a mechanical/electrical rooms and areas, and a shipping area. The Site was vacant at the time of our visit and all equipment was removed. Entrance to the labs and manufacturing area appears to have been formerly controlled/restricted to prevent contamination, such as dust. Walkways were delineated in these areas. We observed former work areas within the labs and manufacturing areas that had connections for water, electrical, vacuum, and compressed air lines. These services within the work areas connected to pipes that traversed the ceiling and along the walls. Most of the work areas appear to have been dismantled prior to our Site visit. An insulted refrigerated room was observed adjacent to one lab, and the equipment used to cool this room was observed adjacent to this room.

Most rooms contained electrical breaker boxes and shutoff-panels along the walls. A mechanical/electrical room was observed along the western side of the building and a second area was observed within the shipping area. The mechanical/electrical areas consisted of electrical breakers, electrical shutoff panels, and dry transformers. One floor drain was present within the shipping/receiving area.

Table 7. Summary of Readily Observable Site Features

General Observation	Comments
Aboveground Storage Tanks	Not Observed
Agricultural Wells	Not Observed
Air Emission Control Systems	Not Observed
Boilers	Not Observed
Burning Areas	Not Observed
Chemical Mixing Areas	Not Observed
Chemical Storage Areas	Observed – no materials present at the time of our visit.
Clean Rooms	Observed – lab with restricted access observed, but may not have technically been clean rooms.
Drainage Ditches	Not Observed
Elevators	Not Observed
Emergency Generators	Not Observed
Equipment Maintenance Areas	Not Observed
Fill Placement	Not Observed
Ground Water Monitoring Wells	Observed – One well on western side of property as discussed above.
High Power Transmission Lines	Not Observed
Hoods and Ducting	Not Observed
Hydraulic Lifts	Not Observed

Table 7. Continued.

General Observation	Comments
Incinerator	Not Observed
Petroleum Pipelines	Not Observed
Petroleum Wells	Not Observed
Ponds or Streams	Not Observed
Railroad Lines	Not Observed
Row Crops or Orchards	Not Observed
Stockpiles of Soil or Debris	Not Observed
Sumps or Clarifiers	Not Observed
Transformers	Observed – several observed within and outside the structure.
Underground Storage Tanks	Not Observed
Vehicle Maintenance Areas	Not Observed
Vehicle Wash Areas	Not Observed
Wastewater Neutralization Systems	Not Observed

The comment “Not Observed” does not warrant that these features are not present on-Site; it only indicates that these features were not readily observed during the Site visit.

7.2.1 Site Photographs



Photograph 1. View of southern side of the Site.



Photograph 2. View of rear (west) side of the building showing stored items by Tesla.



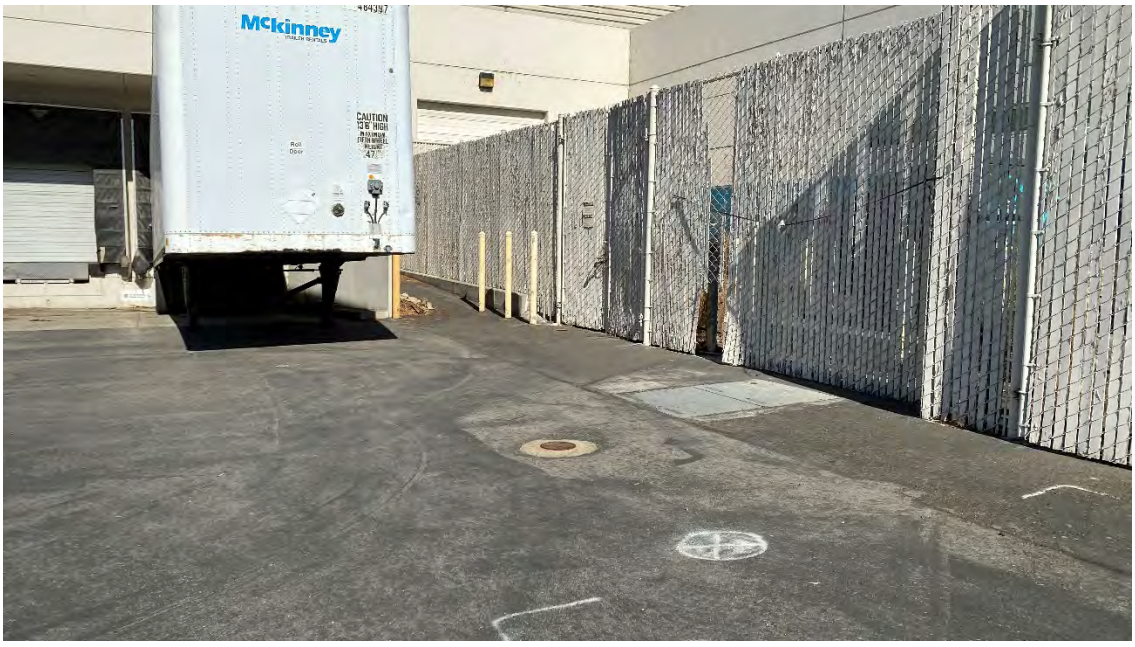
Photograph 3. Portable air handling unit.



Photograph 4. Air handling and filtration equipment stored.



Photograph 5. Air handling unit.



Photograph 6. Monitoring well located adjacent to exterior mechanical area along western side of the building. Truck loading dock visible in background.



Photograph 7. Mechanical area along western side of building.



Photograph 8. Transformer and electrical panels within exterior mechanical area.



Photograph 9. Chilled water supply and return lines. The water chiller is shown behind these lines.



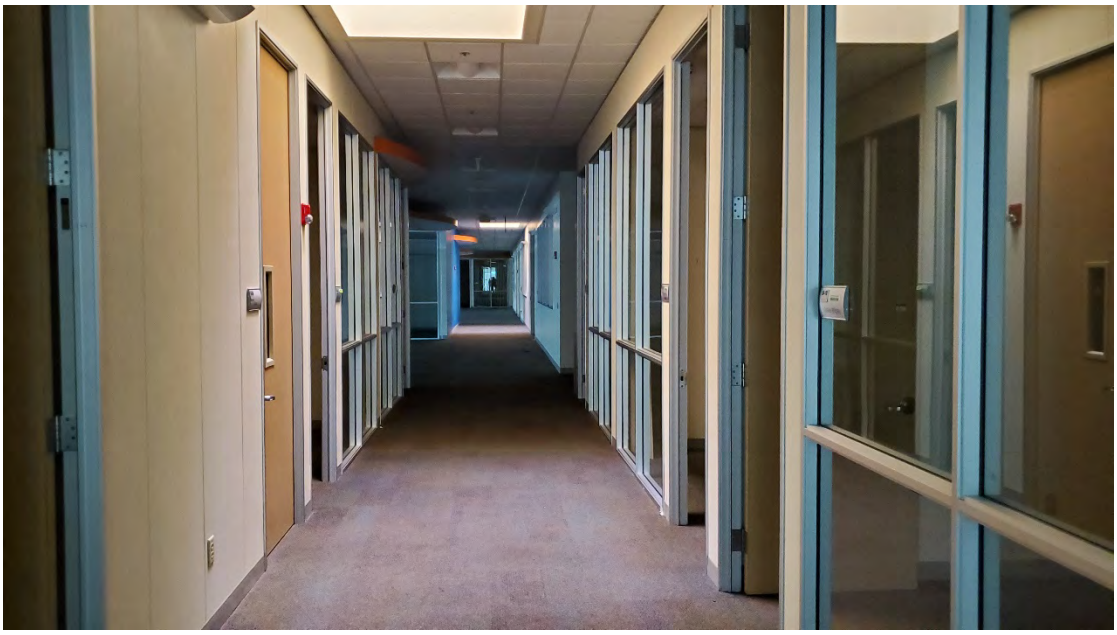
Photograph 10. Water chiller in foreground; chilled water supply and return line in background



Photograph 11. Electrical transformers located along the southern property boundary.



Photograph 12. Former hazardous waste storage area.



Photograph 13. Hallway within building with enclosed offices.



Photograph 14. Chiller located at rear of walk-in refrigerator room.



Photograph 15. Lab located at southwestern corner of building.



Photograph 16. View of manufacturing area along western side of building.



Photograph 17. Dry transformer within mechanical room.



Photograph 18. Electrical panel within mechanical room.



Photograph 19. Electrical panels within mechanical area.



Photograph 20. Roll up doors opposite truck loading dock.



Photograph 21. Shipping area with dry transformer and electrical panels.



Photograph 22. Room within shipping area where floor drain was observed – purpose of room not readily apparent.

SECTION 8: ENVIRONMENTAL QUESTIONNAIRE AND INTERVIEWS

8.1 ENVIRONMENTAL QUESTIONNAIRE / OWNER INTERVIEW

To help obtain information on current and historical Site use and use/storage of hazardous materials on-Site, we provided an environmental questionnaire to Pulte. Pulte was asked to forward the questionnaire to the Site owner for completion. The completed questionnaire was not returned to us as of the date of this report. The questionnaire for the previous Phase I ESA was also not completed.

8.2 INTERVIEWS WITH PERSON(S) KNOWLEDGEABLE OF SITE USE

Contact information for persons knowledgeable of existing and prior site uses was not provided to us prior to or at the Site visit.

8.3 INTERVIEWS WITH PREVIOUS OWNERS AND OCCUPANTS

Contact information for previous Site owners and occupants was not provided to us. Therefore, interviews with previous Site owners and occupants could not be performed.

SECTION 9: FINDINGS, OPINIONS AND CONCLUSIONS (WITH RECOMMENDATIONS)

Cornerstone performed this Phase I ESA in general accordance to ASTM E1527-13 to support Pulte in evaluation of Recognized Environmental Conditions. Our findings, opinions and conclusions are summarized below.

9.1 HISTORICAL SITE USAGE

Based on the information obtained during this study, the Site appears to have been undeveloped land until approximately the late 1970s when a golf course was constructed on-site and the on the adjacent properties. The golf course appears to have been demolished by the early 1980s. The business park development encompassing the Site was developed beginning in the early 1980s, and the existing structure was built in 1986. The on-Site structure was used by Sun Microsystems, LTX-Credence Corporation, and XCERRA Corporation for semiconductor research and development (R&D) purposes and office space. The structure was vacated in 2016 and reportedly has remained vacant since.

9.2 CHEMICAL STORAGE AND USE

The Site was vacant at the time of our Site visit and no chemicals or hazardous materials were observed. The Site plans reviewed indicate a hazardous material storage area was present on the western side of the building. This storage area was observed to be covered and had concrete walls and base. No readily apparent signs of leaks of spills were observed during our Site visit. Documents reviewed did not indicate past violations or incidences that could indicate potential subsurface impacts. Groundwater sampling performed in the presumed down-gradient direction from the storage area did not detect VOCs above the Tier 1 ESLs or MCLs.

Hazardous material inventories from LTX-Credence indicate the storage/use of chemicals such as isopropyl alcohol, acetone, ethanol, diesel fuel, methanol, 1,2-transdichloroethene, among

others. In addition, the inventories list soldering materials containing lead, silver, and tin. No violations were noted in the records reviewed and readily apparent signs of leaks or spills were observed during our Site visit.

The 2019 subsurface evaluation did not indicate areas of significant impacts; however, we recommend preparation of a Site Management Plan (SMP) to provide protocols if suspected areas of apparent contamination are encountered during building demolition and/or during development.

9.3 AGRICULTURAL USE

The Site appears to have been used intermittently for dry-farming purposes prior to the late 1970s. In accordance with DTSC guidance (2008), sites that were dry farmed are at low risk for residual pesticides in soil. If a higher degree of comfort is desired, a limited soil quality evaluation could be performed to evaluate pesticides in the on-Site soil.

9.4 FORMER USTS

One 1,000-gallon diesel UST was present on adjacent to the western side of the building. This UST was removed in 1992 and replaced with ASTs. These ASTs were removed prior to the Site being vacated as they were not observed during the Site visit performed as part of this Phase I ESA. The FD inspector noted that no holes or leaks were observed during UST removal and that no odors or visibly stained soil was observed in the UST pit. TPHd and BTEX reportedly were not detected in samples collected beneath the former UST.

In 2019, Cornerstone collected soil, soil vapor, and groundwater samples at one location adjacent to and in the assumed downgradient direction of the former UST. TPHd was detected in the soil sample collected at a depth of approximately 15 to 16 feet above the Tier 1 ESL; TPHd was detected in the groundwater sample collected at concentrations above the Tier 1 ESL; and TPHg, benzene, and ethylbenzene were detected in soil vapor samples above their Tier 1 ESLs. These detections may indicate localized residual UST impacts. However, the other sampling data from the 2019 investigation by Cornerstone does not indicate a significant release has occurred.

The former UST area likely will require mitigation as part of the residential redevelopment. We recommend over-excavation soil with residual impacts from the former UST area and backfilling with compacted clean fill material. After this material has been removed, groundwater and soil vapor samples should be collected from this area to determine if elevated petroleum hydrocarbons or VOCs remain. Additional vapor mitigation controls may be required based on the post-removal soil vapor concentrations. The SMP recommended should include protocols for this soil removal and subsequent subsurface evaluation. We also recommend submittal of this SMP to the DEH for their review and approval.

9.5 SOIL, SOIL VAPOR, AND GROUNDWATER QUALITY

In 2019, Cornerstone collected soil, soil vapor and groundwater samples from eight borings to determine if the previous Site activities impacted the subsurface. TPHd was detected in one soil sample (SS-6 [15 to 16 feet]) at a concentration exceeding the Tier 1 ESL. This sample was collected near the former UST location. Groundwater samples collected from this same location detected TPHd above its Tier 1 ESL, and soil vapor samples detected TPHg, benzene, and ethyl benzene above their Tier 1 ESLs. These detections may indicate residual impacts

from the former UST. These detections appear to be isolated to the area of the former UST; As discussed in Section 9.4, we recommend removal of soil with residual impacts at the approximate location of the former UST and subsequent soil vapor and groundwater sampling to determine if additional mitigation measures will be required as part of the planned residential development.

TPHd was detected at concentrations above the Tier 1 ESL in the groundwater sample collected from GW-5. TPHg, benzene, and ethylbenzene were also detected at concentrations exceeding the Tier 1 ESL in this sample. These detections appear to be from an off-Site source based on the assumed groundwater flow direction.

The remaining soil, soil vapor, and groundwater quality data collected from the Site does not appear to indicate the previous Site activities significantly impacted the subsurface. As further discussed in Section 9.8, we recommend preparation of a SMP that will provide protocols for excavation of the former UST pit and if areas of unexpected contamination are encountered during Site development work.

9.6 GROUNDWATER MONITORING WELL

One groundwater monitoring well was observed near the location of the former UST. A Well Completion Report obtained from the DWR indicates this well is approximately 2-inches in diameter and approximately 25 feet deep. This well will require destruction by a licensed well driller under a destruction permit through the Santa Clara Valley Water District.

9.7 IMPORTED SOIL

If the planned development will require importing soil for Site grading, we recommend documenting the source and quality of imported soil. The DTSC's October 2001 Clean Fill Advisory provides useful guidance on evaluating imported fill.

9.8 SITE MANAGEMENT PLAN

The soil, soil vapor, and groundwater quality evaluation did not identify significant subsurface impacts from the previous Site uses. However, based on the former semiconductor R&D use, areas of isolated soil, soil vapor, and/or groundwater impacts could be encountered during building demolition or Site development activities. In addition, residual contamination may be present in the subsurface near the former UST. As such, we recommend preparing a SMP and Health and Safety Plan (HSP) to establish appropriate management practices for handling impacted soil, soil vapor and ground water if encountered during construction activities. These documents should include the following:

- Site control procedures to control the flow of personnel, vehicles and materials in and out of the Site.
- Measures to minimize dust generation, storm water runoff and tracking of soil off-Site.
- If excavation de-watering is required, protocols to evaluate water quality and discharge/disposal alternatives should be described.

- Protocols for conducting earthwork activities in areas where impacted soil, soil vapor and/or ground water are present or suspected. Worker training requirements, health and safety measures and soil handing procedures should be described.

- Protocols to be implemented if buried structures, wells, debris, or unidentified areas of impacted soil are encountered during construction activities.

- Protocols to evaluate the quality of soil suspected of being contaminated so that appropriate mitigation, disposal or reuse alternatives, if necessary, can be determined.

- Procedures to evaluate and document the quality of any soil imported to the Site. Soil containing chemicals exceeding residential (unrestricted use) screening levels or typical background concentrations of metals should not be accepted.

- Methods to monitor excavations for the potential presence of volatile chemical vapors.

9.9 ASBESTOS CONTAINING BUILDING MATERIALS (ACBMS)

As the building was constructed in 1986, it is unlikely that the building materials contain asbestos. However, if demolition, renovation, or re-roofing of the building is planned, an asbestos survey may be required by local authorities or National Emissions Standards for Hazardous Air Pollutants (NESHAP) guidelines. NESHAP guidelines require the removal of potentially friable ACBMs prior to building demolition or renovation that may disturb the ACBM.

9.10 LEAD-BASED PAINT

The Consumer Product Safety Commission banned the use of lead as an additive in paint in 1978. Based on the age of the building, lead-based paint may be present. If demolition is planned, the removal of lead-based paint isn't required if it is bonded to the building materials. However, if the lead-based paint is flaking, peeling, or blistering, it should be removed prior to demolition. In either case, applicable OSHA regulations must be followed; these include requirements for worker training, air monitoring and dust control, among others. Any debris or soil containing lead must be disposed appropriately.

9.11 DATA GAPS

ASTM Standard Designation E 1527-13 requires the Environmental Professional to comment on significant data gaps that affect our ability to identify Recognized Environmental Conditions. A data gap is a lack of or inability to obtain information required by ASTM Standard Designation E 1527-13 despite good faith efforts by the Environmental Professional to gather such information. A data gap by itself is not inherently significant; it only becomes significant if it raises reasonable concerns. The following data gaps were identified:

- Contact information for the former occupants and owners of the Site was not provided to us. Thus, former occupants and owners were not interviewed during this study. The general environmental setting of the Site appears to have been established based on the information reviewed from other data sources. We do not consider this data gap to be significant.

- The environmental questionnaire provided for completion by the Site owner was not returned to us as of the date of this report. The general environmental setting of the Site appears to have been established based on the information reviewed from other data sources. We do not consider this data gap to be significant

9.12 DATA FAILURES

As described by ASTM Standard Designation E 1527-13, a data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the historical research objectives have not been met. Data failures are not uncommon when attempting to identify the use of a Site at five year intervals back to the first use or to 1940 (whichever is earlier). ASTM Standard Designation E 1527-13 requires the Environmental Professional to comment on the significance of data failures and whether the data failure affects our ability to identify Recognized Environmental Conditions. A data failure by itself is not inherently significant; it only becomes significant if it raises reasonable concerns. No data failures were encountered during preparation of this Phase I ESA.

9.13 RECOGNIZED ENVIRONMENTAL CONDITIONS

Cornerstone has performed a Phase I ESA in general conformance with the scope and limitations of ASTM E 1527-13 of 1355 California Circle, Milpitas, California. This assessment revealed no significant Recognized Environmental Conditions[2] or Controlled Recognized Environmental Conditions[3]. The following Historical Recognized Environmental Conditions[4] was identified; however, please read the entire report for an overview of the Site.

- One 1,000-gallon diesel UST was used on-Site and removed in 1992. Agency documents reviewed from this UST removal do not appear indicate a release occurred. Soil, soil vapor, and groundwater samples collected by Cornerstone near the former UST location detected TPHd and VOCs in the subsurface that may indicate residual petroleum hydrocarbons from this UST. This material may require special considerations if encountered during Site development. We recommend preparing a SMP for the removal and handling of this material and submitting this SMP for DEH review and approval.

SECTION 10: LIMITATIONS

Cornerstone performed this Phase I ESA to support Pulte in evaluation of Recognized Environmental Conditions associated with the Site. Pulte understands that no Phase I ESA can wholly eliminate uncertainty regarding the potential for Recognized Environmental Conditions to be present at the Site. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for Recognized Environmental Conditions. Pulte understands that the

[2] The presence or likely presence of hazardous substances or petroleum products on the Site: 1) due to significant release to the environment; 2) under conditions indicative of a significant release to the environment; or 3) under conditions that pose a material threat of a future significant release to the environment.

[3] A Recognized Environmental Condition that has been addressed to the satisfaction of the applicable regulatory agency with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls or restrictions.

[4] A past Recognized Environmental Condition has been addressed to the satisfaction of the applicable regulatory agency or meeting of unrestricted use criteria established by the applicable regulatory agency without subjecting the Site to required controls or restrictions.

extent of information obtained is based on the reasonable limits of time and budgetary constraints.

Findings, opinions, conclusions and recommendations presented in this report are based on readily available information, conditions readily observed at the time of the Site visit, and/or information readily identified by the interviews and/or the records review process. Phase I ESAs are inherently limited because findings are developed based on information obtained from a non-intrusive Site evaluation. Cornerstone does not accept liability for deficiencies, errors, or misstatements that have resulted from inaccuracies in the publicly available information or from interviews of persons knowledgeable of Site use. In addition, publicly available information and field observations often cannot affirm the presence of Recognized Environmental Conditions; there is a possibility that such conditions exist. If a greater degree of confidence is desired, soil, ground water, soil vapor and/or air samples should be collected by Cornerstone and analyzed by a state-certified laboratory to establish a more reliable assessment of environmental conditions.

Cornerstone acquired an environmental database of selected publicly available information for the general area of the Site. Cornerstone cannot verify the accuracy or completeness of the database report, nor is Cornerstone obligated to identify mistakes or insufficiencies in the information provided (ASTM E 1527-13, Section 8.1.3). Due to inadequate address information, the environmental database may have mapped several facilities inaccurately or could not map the facilities. Releases from these facilities, if nearby, could impact the Site.

Pulte may have provided Cornerstone environmental documents prepared by others. Pulte understands that Cornerstone reviewed and relied on the information presented in these reports and cannot be responsible for their accuracy.

This report, an instrument of professional service, was prepared for the sole use of Pulte and may not be reproduced or distributed without written authorization from Cornerstone. It is valid for 180 days. An electronic transmission of this report may also have been issued. While Cornerstone has taken precautions to produce a complete and secure electronic transmission, please check the electronic transmission against the hard copy version for conformity.

Cornerstone makes no warranty, expressed or implied, except that our services have been performed in accordance with the environmental principles generally accepted at this time and location.

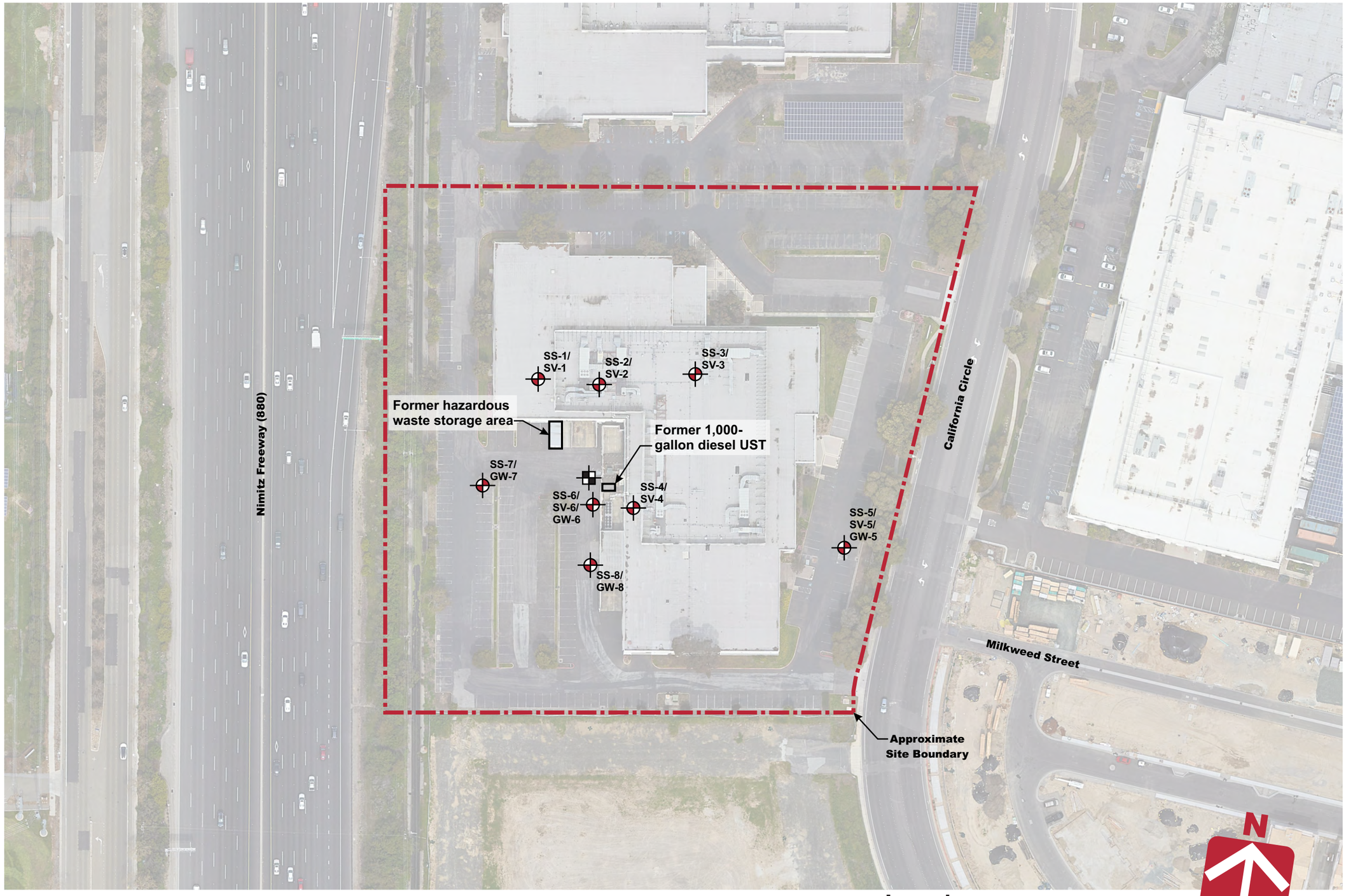


CORNERSTONE EARTH GROUP

Vicinity Map

1355 California Circle
Milpitas, CA

Project Number	461-16-1
Figure Number	Figure 1
Date	November 2020
Drawn By	RRN



Legend

Approximate location of exploratory boring for soil sample (SS), soil vapor sample (SV), and groundwater sample (GW) collection

Approximate location of existing monitoring well

0 100 200

APPROXIMATE SCALE (FEET)

Base by Google Earth, dated 03/28/2018

Site Plan

1355 California Circle
Milpitas, CA

Project Number	Figure Number	Drawn By
461-16-1	Figure 2	RRN
	Date: November 2020	

CORNERSTONE EARTH GROUP

CORNERSTONE EARTH GROUP

APPENDIX A – USER-PROVIDED DOCUMENTS

First American Title

First American Title Company

4750 Willow Road, Suite 100
Pleasanton, CA 94588

Escrow Officer:	Michelle Chan
Phone:	(925)738-4050
Fax No.:	(866)648-7806
E-Mail:	mlchan@firstam.com
Title Officer:	Sheryl Taylor
Phone:	(559)470-8819
Fax No.:	
E-Mail:	ShTaylor@firstam.com

E-Mail Loan Documents to:	Lenders please contact the Escrow Officer for email address for sending loan documents.
Buyer:	TTLC Management, Inc.
Property:	1355 California Circle Milpitas, CA 95035

PRELIMINARY REPORT

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. *The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.* Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Dated as of March 15, 2019 at 7:30 A.M.

The form of Policy of title insurance contemplated by this report is:

ALTA Extended Loan Policy - 2006

ALTA Extended Owner Policy - 2006

A specific request should be made if another form or additional coverage is desired.

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

MATHEW PROPERTY I LLC, A CALIFORNIA LIMITED LIABILITY COMPANY, AS TO A 53.86% INTEREST IN THE PROPERTY, MATHEW PROPERTY II LLC, A CALIFORNIA LIMITED LIABILITY COMPANY, AS TO A 23.07% INTEREST IN THE PROPERTY AND MATHEW PROPERTY III LLC, A CALIFORNIA LIMITED LIABILITY COMPANY, AS TO A 23.07% INTEREST IN THE PROPERTY

The estate or interest in the land hereinafter described or referred to covered by this Report is:

A fee.

The Land referred to herein is described as follows:

(See attached Legal Description)

At the date hereof exceptions to coverage in addition to the printed Exceptions and Exclusions in said policy form would be as follows:

1. General and special taxes and assessments for the fiscal year 2019-2020, a lien not yet due or payable.

2. The lien of special tax assessed pursuant to Chapter 2.5 commencing with Section 53311 of the California Government Code for Community Facilities District 2013-1, as disclosed by Notice of Special Tax Lien recorded January 22, 2014 as Document No. 22502535 of Official Records.

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

4. An easement for a single line of poles with wires and incidental purposes, recorded September 27, 1951 as Book 2291, Page 114 of Official Records.

   In Favor of: Pacific Gas and Electric Company
   Affects: as described therein

5. Abutter's rights of ingress and egress to or from the highway or freeway abutting said land have been relinquished in the document recorded June 29, 1953 as Book 2673, Page 322 of Official Records.

6. An easement for the construction, installation, and maintenance of public utilities, sanitary sewer, and storm drainage facilities, together with the right to drain storm waters into the ponds to be construction on said land and incidental purposes, recorded February 02, 1978 as Document No. 5917831, Book D443, Page 532 of Official Records.

   In Favor of: Alpha Land Company, a California Corporation
   Affects: as described therein

   The location of the easement cannot be determined from record information.

7. An easement shown or dedicated on the map filed or recorded January 27, 1983 in Book 508, Page 38, 39 and 40 of Parcel Maps
   For: Public service and utility, storm drainage, sanitary sewer and incidental purposes.

   A portion of the storm drain easement was vacated by Resolution of the City Council of the City of Milpitas recorded December 31, 2003 as Document No. 17554668 of Official Records.

8. Covenants, conditions, restrictions, easements, assessments, liens, charges, terms and provisions in the document recorded October 11, 1983 as Document No. 7846269, Book H970, Page 78 of Official Records, which provide that a violation thereof shall not defeat or render invalid the lien of any first mortgage or deed of trust made in good faith and for value, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, handicap, familial status, national origin, sexual orientation, marital status, ancestry, source of income or disability, to the extent such covenants, conditions or restrictions violate Title 42, Section 3604(c), of the United States Codes. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.

   Document(s) declaring modifications thereof recorded March 12, 1985 as Document No. 8348560 of Official Records.

   Document(s) declaring modifications thereof recorded January 18, 1989 as Document No. 9981239 of Official Records.

   Document(s) declaring modifications thereof recorded February 03, 1989 as Document No. 9999502 of Official Records.

   Document(s) declaring modifications thereof recorded March 07, 1996 as Instrument No. 13218739 of Official Records.

   Document(s) declaring modifications thereof recorded March 07, 1996 as Document No. 13218740 of Official Records.

9. An easement for the right to erect, construct, reconstruct, replace, remove, maintain and use a line of poles with such wires and incidental purposes, recorded September 04, 1986 as Document No. 8930877, Book J832, Page 1349 of Official Records.

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

   The location of the easement cannot be determined from record information.

10. The terms and provisions contained in the document entitled "Agreement and Consent" recorded June 14, 2013 as Document No. 22264456 of Official Records.

11. The terms and provisions contained in the document entitled "Consent and Agreement to Variance" recorded April 04, 2014 as Document No. 22560386 of Official Records.

12. The terms and provisions contained in the document entitled "Consent and Agreement to Variance" recorded December 24, 2015 as Document No. 23181502 of Official Records.

13. 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.

14. Water rights, claims or title to water, whether or not shown by the public records.

15. Rights of parties in possession.

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

Prior to the issuance of any policy of title insurance, the Company will require:

17. With respect to Mathew Property I LLC, a California limited liability company; Mathew Property II LLC, a California limited liability company and Mathew Property III LLC, a California limited liability company:
    a. A copy of its operating agreement and any amendments thereto;
    b. If it is a California limited liability company, that a certified copy of its articles of organization (LLC-1) and any certificate of correction (LLC-11), certificate of amendment (LLC-2), or restatement of articles of organization (LLC-10) be recorded in the public records;
    c. If it is a foreign limited liability company, that a certified copy of its application for registration (LLC-5) be recorded in the public records;
    d. With respect to any deed, deed of trust, lease, subordination agreement or other document or instrument executed by such limited liability company and presented for recordation by the Company or upon which the Company is asked to rely, that such document or instrument be executed in accordance with one of the following, as appropriate:
    (i) If the limited liability company properly operates through officers appointed or elected pursuant to the terms of a written operating agreement, such document must be executed by at least two duly elected or appointed officers, as follows: the chairman of the board, the president or any vice president, and any secretary, assistant secretary, the chief financial officer or any assistant treasurer;
    (ii) If the limited liability company properly operates through a manager or managers identified in the articles of organization and/or duly elected pursuant to the terms of a written operating agreement, such document must be executed by at least two such managers or by one manager if the limited liability company properly operates with the existence of only one manager.
    e. Other requirements which the Company may impose following its review of the material required herein and other information which the Company may require

18. An ALTA/NSPS survey of recent date which complies with the current minimum standard detail requirements for ALTA/NSPS land title surveys.

INFORMATIONAL NOTES

Note: The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than the certain dollar amount set forth in any applicable arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. If you desire to review the terms of the policy, including any arbitration clause that may be included, contact the office that issued this Commitment or Report to obtain a sample of the policy jacket for the policy that is to be issued in connection with your transaction.

1. General and special taxes and assessments for the fiscal year 2018-2019.

First Installment:	$85,498.28, PAID
Penalty:	$0.00
Second Installment:	$85,498.28, PAID
Penalty:	$0.00
Tax Rate Area:	12-003
A. P. No.:	022-38-007

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 1355 California Circle, Milpitas, California.

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 December 21, 2018 as Document No. 24085648 of Official Records.

   From: NRFC Milpitas Holdings, LLC a Delaware limited liability company

   To: Mathew Property I LLC, a California limited liability company, as to a 53.86% interest in the Property (as hereinafter defined), Mathew Property II LLC, a California limited liability company, as to a 23.07% interest in the Property, and Mathew Property III LLC, a California limited liability company, as to a 23.07% interest in the Property

4. We find no outstanding voluntary liens of record affecting subject property. Disclosure should be made concerning the existence of any unrecorded lien or other indebtedness which could give rise to any possible security interest in the subject property.

The map attached, if any, may or may not be a survey of the land depicted hereon. First American 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.

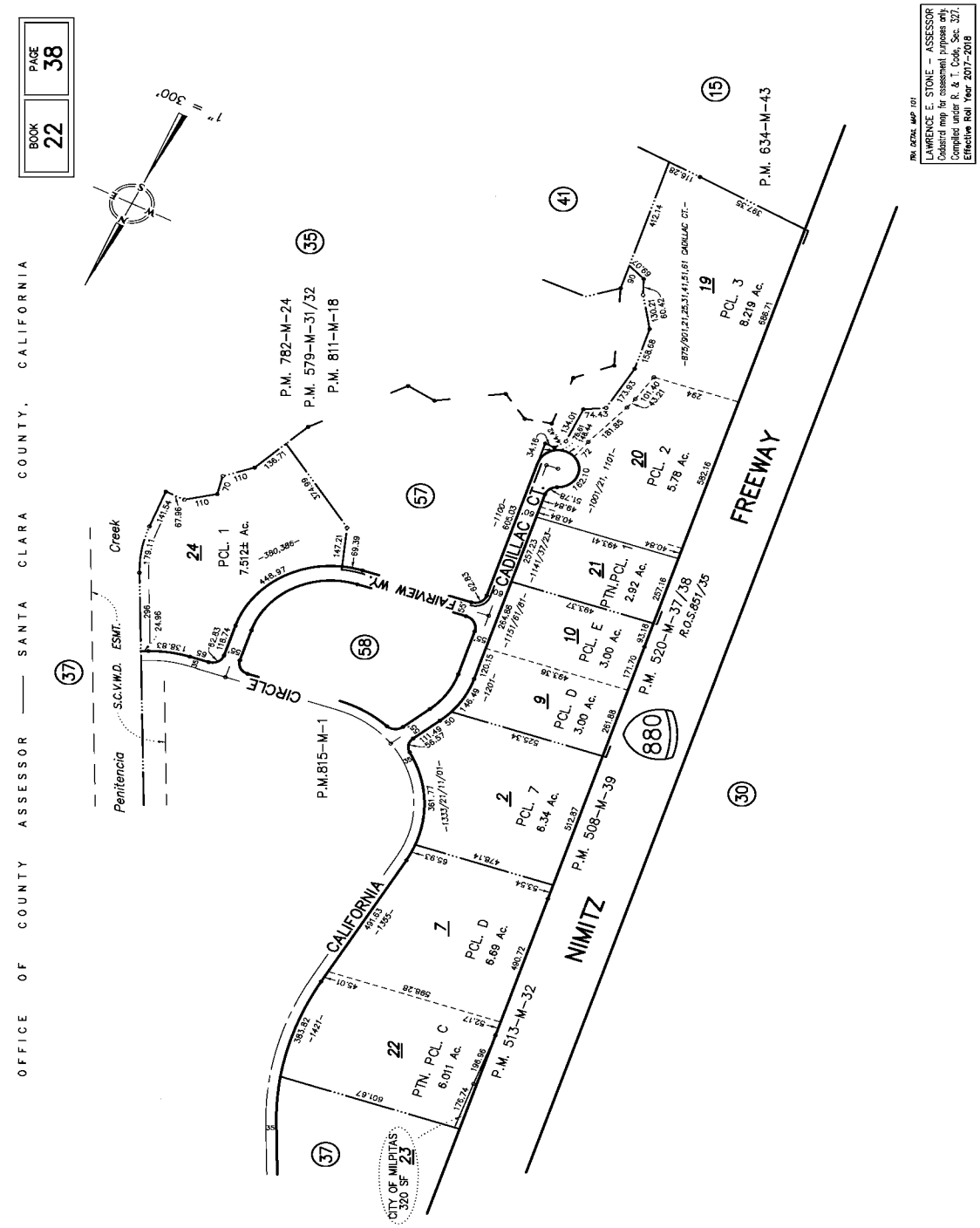
LEGAL DESCRIPTION

Real property in the City of Milpitas , County of Santa Clara, State of California, described as follows:

PARCEL D, SO DESIGNATED AND DELINEATED ON THE PARCEL MAP RECORDED JUNE 6, 1983 IN BOOK 513 OF MAPS, AT PAGES 31 AND 32, SANTA CLARA COUNTY RECORDS.

EXCEPTING THEREFROM "ONE-SIXTEENTH OF ALL COAL, OIL, GAS AND OTHER MINERAL DEPOSITS CONTAINED IN SAID LANDS, AS PROVIDED BY AN ACT OF THE LEGISLATURE, APPROVED MAY 25, 1921 (CHAPTER 303, STATUTES OF CALIFORNIA, 1921)" AS RESERVED TO THE STATE OF CALIFORNIA ACCORDING TO THE PATENT BY THE STATE OF CALIFORNIA TO W.J. WADHAMS, RECORDED JULY 15, 1936 IN BOOK 782, PAGE 292, OFFICIAL RECORDS.

APN: 022-38-007


BOOK 22
PAGE 38
OFFICE OF COUNTY ASSESSOR — SANTA CLARA COUNTY, CALIFORNIA
1" = 300'
THIS DETAIL MAP IS COMPILED FROM RECORDED MAPS, DEEDS AND OTHER PUBLIC RECORDS FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY HEREOF.
LAWRENCE E. STONE — ASSESSOR
Cadastral map for assessment purposes only. Compiled under R. & T. Code, Sec. 327.
Effective Roll Year 2017–2018
P.M. 782–M–24
P.M. 579–M–31/32
P.M. 811–M–18
P.M. 634–M–43
P.M. 520–M–37/38
R.O.S. 651/35
P.M. 508–M–39
P.M. 513–M–32
P.M.815–M–1
FREEWAY
NIMITZ
CIRCLE
FAIRVIEW WY.
CADILLAC CT.
CALIFORNIA
Penitencia Creek
S.C.V.W.D. ESMT.
CITY OF MILPITAS
PCL. 1 7.512± Ac.
PCL. 2 5.78 Ac.
PCL. 3 8.219 Ac.
PCL. D 3.00 Ac.
PCL. E 3.00 Ac.
PCL. 7 6.34 Ac.
PCL. D 6.89 Ac.
PTN. PCL. C 6.011 Ac.
PTN. PCL. 1 2.92 Ac.
880

NOTICE

Section 12413.1 of the California Insurance Code, effective January 1, 1990, requires that any title insurance company, underwritten title company, or controlled escrow company handling funds in an escrow or sub-escrow capacity, wait a specified number of days after depositing funds, before recording any documents in connection with the transaction or disbursing funds. This statute allows for funds deposited by wire transfer to be disbursed the same day as deposit. In the case of cashier's checks or certified checks, funds may be disbursed the next day after deposit. In order to avoid unnecessary delays of three to seven days, or more, please use wire transfer, cashier's checks, or certified checks whenever possible.

EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)

CLTA STANDARD COVERAGE POLICY – 1990

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 or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (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 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 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 claim, which arises out of the transaction vesting in the insured the estate of interest insured by this 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.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

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 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 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, 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.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)

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 those portions of any law or government regulation concerning:
   a. building;
   b. zoning;
   c. land use;

d. improvements on the Land;
e. land division; and
f. environmental protection.
This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.

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 limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
   a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
   b. that are Known to You at the Policy Date, but not to Us, unless they are recorded 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.e., 25, 26, 27 or 28.
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 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:
For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.
The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1% of Policy Amount Shown in Schedule A or $2,500 (whichever is less)	$10,000
Covered Risk 18:	1% of Policy Amount Shown in Schedule A or $5,000 (whichever is less)	$25,000
Covered Risk 19:	1% of Policy Amount Shown in Schedule A or $5,000 (whichever is less)	$25,000
Covered Risk 21:	1% of Policy Amount Shown in Schedule A or $2,500 (whichever is less)	$5,000

2006 ALTA LOAN POLICY (06-17-06)

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).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

[Except as provided in Schedule B - Part II,[t[or T]his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

[PART I

[The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

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.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:]

2006 ALTA OWNER'S POLICY (06-17-06)

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 9 or 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.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:
[The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

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.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.
7. [Variable exceptions such as taxes, easements, CC&R's, etc. shown here.]

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10)

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, 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 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. 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.
9. 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 27(b) of this policy.
10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.



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.

CORNERSTONE EARTH GROUP

APPENDIX B – TABLES AND FIGURES FROM 2019 PHASE I ESA AND PRELIMINARY SOIL, SOIL VAPOR, AND GROUNDWATER QUALITY EVALUATION

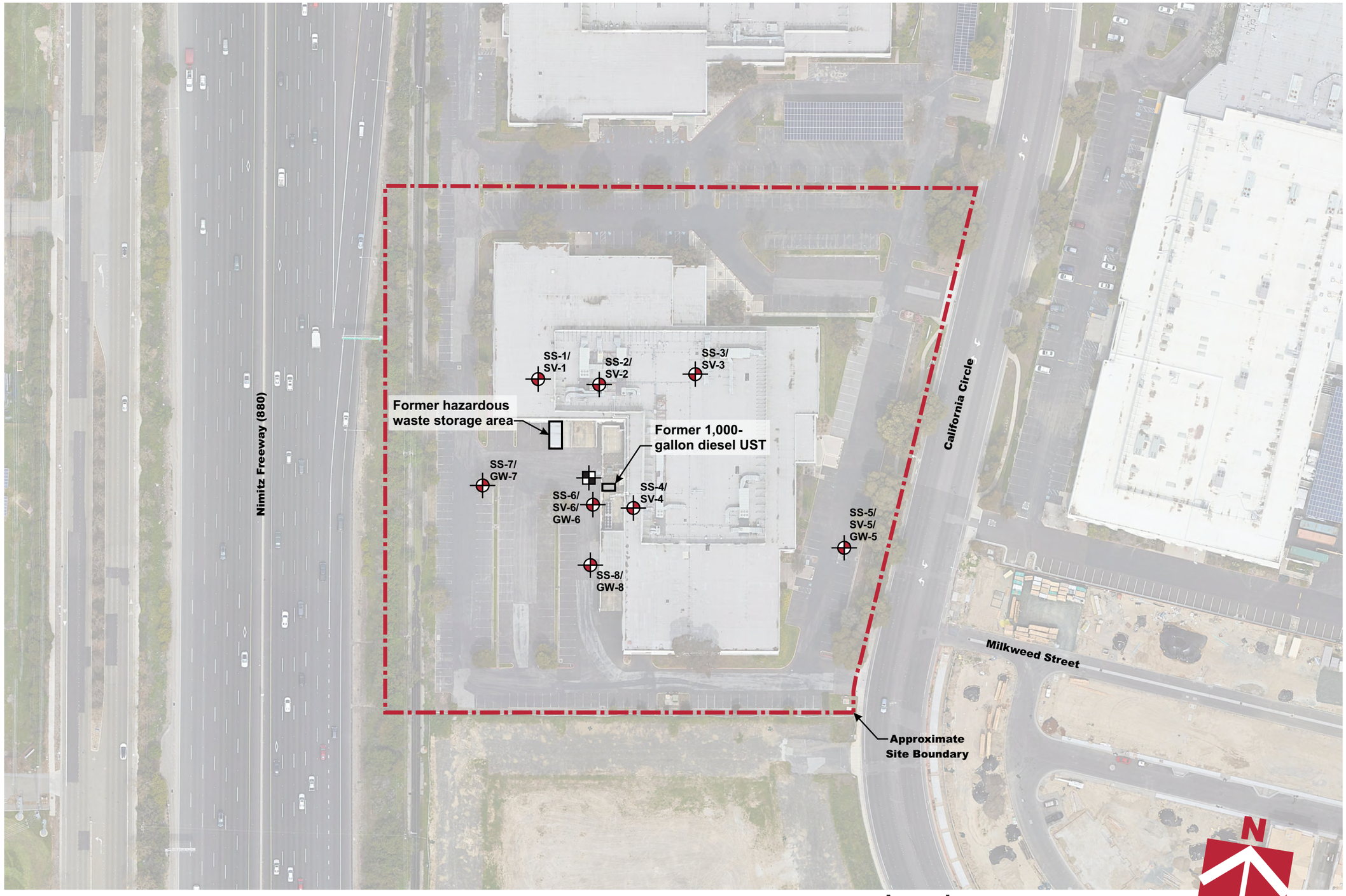


CORNERSTONE EARTH GROUP

Vicinity Map

1355 California Circle
Milpitas, CA

Project Number	648-19-1
Figure Number	Figure 1
Date	June 2019
Drawn By	RRN



Base by Google Earth, dated 3/28/2018

Site Plan

1355 California Circle
Milpitas, CA

Project Number	Figure Number	Date	Drawn By
648-19-1	Figure 2	June 2019	RRN

CORNERSTONE EARTH GROUP

CORNERSTONE EARTH GROUP

Table 1. Analytical Results of Selected Soil Samples
(Concentrations in mg/kg)

Sample Location	Sample ID	Date	Depth (feet)	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc	Asbestos (%)	TPHd	TPHo	TPHg	Naphthalene
SS-1	SS-1 (0-0.5)	7/2/2019	0-½	4.58	138	16.2	7.55	18.1	7.15	44.9	23.6	76.5	<0.25	2.46	16.7	<0.095	<0.0095
SS-2	SS-2 (0-0.5)	7/2/2019	0-½	4.38	130	17.6	8.6	16.3	7.5	39.3	21	54.5	<0.25	2.4	18	<0.088	<0.0088
SS-3	SS-3 (0-0.5)	7/2/2019	0-½	5.5	229	52	13.6	35.9	12.6	82.5	36.3	67	<0.25	2.03	<10	<0.1	<0.01
SS-4	SS-4 (0-0.5)	7/2/2019	0-½	6.95	187	57	15.6	34.4	16.6	100	35.8	65	<0.25	2.5	12.5	<0.089	<0.0089
SS-5	SS-5 (0-0.5)	7/3/2019	0-½	3.43	80.2	29.1	7.96	18.3	6.21	39.3	24.6	41	<0.25	<2.0	10.6	<0.089	<0.0089
	SS-5 (11-12)	7/3/2019	11-12	4.95	67	60.2	8.25	13.2	4.75	69.9	25	32.7	---	2.11	10.8	<0.09	<0.009
SS-6	SS-6 (0-0.5)	7/2/2019	0-½	3.41	108	34.5	8.5	20.9	8.95	53	27	44.1	<0.25	2.84	<10	10.6	0.369
	SS-6 (15-16)	7/2/2019	15-16	6.0	171	52	11.1	30.5	12.2	73	32.3	55.5	---	**2,440**	<600	<0.1	<0.01
SS-7	SS-7 (0-0.5)	7/3/2019	0-½	4.75	103	44.4	11.1	24.1	15.6	73.6	36.7	48.7	<0.25	2.91	<10	<0.091	<0.0091
	SS-7 (15-16)	7/3/2019	15-16	6.11	185	45.5	9.9	21.2	5.27	57.2	36	44.7	---	48.5	98.6	<0.084	<0.0084
SS-8	SS-8 (0-0.5)	7/3/2019	0-½	5.0	159	33.4	8.36	21.4	8.01	54.6	30.2	53.9	<0.25	2.38	14.5	<0.085	<0.0085
	SS-8 (15-16)	7/3/2019	15-16	7.54	194	41.7	10.7	21.8	5.57	57.1	41.7	42.8	---	<2.0	<10	<0.09	<0.009
Residential Screening Criteria				11	15,000	160	23	3,100	80	490	390	23,000	0.25%	260	1,600	100	2.0
Basis				Duverge[1]	RSL[2]	ESL[3]	RSL[1]	RSL[1]	DTSC-SL[4]	DTSC-SL[4]	RSL[1]	RSL[1]	ATCM[5]	ESL[3]	ESL[3]	ESL[3]	DTSC-SL[4]

1 Duverge, 2011. Establishing Backround Arsenic in Soil of the Urbanized San Francisco Bay Region.
2 Regional Screening Level (RSL), USEPA Region 9 - May 2019
3 Environmental Screening Level (ESL), RWQCB, San Francisco Bay Region - January 2019.
4 Recommended Screening Level (SL), HERO Note 3 - April 2019.
5 California Air Resources Board (CARB) - Asbestos Toxic Control Measure (ATCM) regulatory threshold screening level
< Not detected at or above laboratory reporting limit
BOLD Concentration exceeds selected environmental screening criteria

CORNERSTONE EARTH GROUP

Table 2. Analytical Results of Selected Ground Water Samples

(Concentrations in µg/L)

Sample ID	Date	Benzene	Remaining VOCs	TPHd	TPHo	TPHg
GW-5	7/3/2019	<0.074	ND	**156**	<400	<100
GW-6	7/2/2019	<1.4	ND	**421**	<400	<1,100
GW-7	7/3/2019	0.094	ND	<100	<400	<100
GW-8	7/3/2019	<0.074	ND	<100	<400	<100
MCL[1] - Drinking Water		1	Variable	100 [2]	NE	100 [2]

1 Maximum Contaminant Level (MCL),State Water Resources Control Board - September 2018.

2 Environmental Screening Level (ESL), RWQCB, San Francisco Bay Region - January 2019.

< Not detected at or above laboratory reporting limit

NE Not Established

BOLD Concentration exceeds selected environmental screening criteria

CORNERSTONE EARTH GROUP

Table 3. Analytical Results of Selected Soil Vapor Samples
(Concentrations in µg/m³)

Sample ID	Date	Depth (feet)	TPHg	Benzene	Toluene	Ethylbenzene	o-xylene	TBA	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	2-Butanone (MEK)	2-Hexanone	4-Ethyl Toluene	Acetone	Carbon Disulfide	Chloroform	Hexane	Trichlorofluoro-methane
SV-1	7/2/2019	5	256	1.6	<1.9	<2.2	<2.2	<1.5	<2.5	<2.5	2.3	<2.1	<2.5	12	<1.6	**4.9**	3.2	<2.8
SV-2	7/2/2019	5	1,130	<8.0	<9.4	<11	<11	7.6	<12	<12	38	<10	<12	150	<7.8	**43**	<8.8	<14
SV-3	7/2/2019	5	838	**4.1**	5.1	<2.2	<2.2	7.1	<2.5	<2.5	10	8.6	<2.5	26	<1.6	<2.4	3.4	14
SV-4	7/2/2019	5	<180	<1.6	<1.9	<2.2	<2.2	<1.5	<2.5	<2.5	1.9	<2.1	<2.5	<12	<1.6	**11**	2.5	<2.8
SV-5	7/2/2019	5	**3,600**	**51**	290	**42**	46	<7.6	36	14	50	<10	41	190	25	<12	14	<14
SV-6	7/2/2019	5	**9,590**	**52**	260	**55**	65	<15	83	34	73	<21	80	290	34	<24	32	<28
Screening Level			3,300	3.2	10,000	37	3,500	NE	2,100	2,100	1.7E+05	1.0E+03	NE	1.0E+06	2.00E+04	4.1	NE	4.33E+04
Basis			Tier 1 ESL[1]	Tier 1 ESL[1]	Tier 1 ESL[1]	Tier 1 ESL[1]	Tier 1 ESL[1]	n/a	RSL[2]	RSL[2]	Tier 1 ESL[1]	RSL[2]	n/a	Tier 1 ESL[1]	RSL[2]	Tier 1 ESL[1]	n/a	DTSC-SL[3]

1 Environmental Screening Level (ESL), RWQCB, San Francisco Bay Region – January 2019
2 Regional Screening Level (RSL), USEPA Region 9 - April 2019 calculated by applying an attenuation factor of 0.03 to the indoor air screening level.
3 DTSC-modified screening levels (DTSC-SL) California Department of Toxic Substance Control, Human and Ecological Risk Office (HERO) HHRA Note Number 3, April 2019 calculated by applying an attenuation factor of 0.03 to the indoor air screening level.
< Not detected at or above laboratory reporting limit

CORNERSTONE
EARTH GROUP

APPENDIX C – DATABASE SEARCH REPORT

California Circle Phase I ESA
1355 California Circle
Milpitas, CA 95035

Inquiry Number: 6254971.2s
November 05, 2020

The EDR Radius Map™ Report

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

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Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

1355 CALIFORNIA CIRCLE
MILPITAS, CA 95035

COORDINATES

Latitude (North):	37.4483860 - 37° 26' 54.18''
Longitude (West):	121.9203450 - 121° 55' 13.24''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	595500.2
UTM Y (Meters):	4144958.0
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640070 MILPITAS, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1355 CALIFORNIA CIRCLE
MILPITAS, CA 95035

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SUN MICRO SYSTEMS	1355 CALIFORNIA CIR	SWEEPS UST, CA FID UST		TP
A2		1355 CALIFORNIA CIRC	CHMIRS		TP
A3	LTX-CREDENCE CORPORA	1355 CALIFORNIA CL	CUPA Listings		TP
A4	SUN MICROSYSTEMS COM	1355 CALIFORNIA CIRC	HAZNET, HWTS		TP
A5	REDWOOD CITY ELECTRI	1355 CALIFORNIA CIR	HAZNET, HWTS		TP
A6	CREDENCE SYSTEMS COR	1355 CALIFORNIA CIR	HAZNET, HWTS		TP
A7	1X SUN MICROSYSTEMS	1355 CALIFORNIA CIR	HAZNET, HWTS		TP
A8	LTX CREDENCE CORP	1355 CALIFORNIA CIR	HWTS		TP
A9	SUN MICROSYSTEMS	1355 CALIFORNIA CIR	CIWQS		TP
A10	CREDENCE SYSTEM	1355 CALIFORNIA CL	FINDS		TP
A11	GRIFALL TRUCKING	1355 CALIFORNIA CIRC	HAZNET, HWTS		TP
B12	SOLECTRON CALIFORNIA	1430 CALIFORNIA CIR	RCRA-SQG, FINDS, ECHO, EMI	Lower	106, 0.020, NE
B13	SOLECTRON CALIFORNIA	1430 CALIFORNIA CL	CUPA Listings	Lower	106, 0.020, NE
B14	SUN MICROSYSTEMS, IN	1430 CALIFORNIA CIRC	RCRA NonGen / NLR	Lower	106, 0.020, NE
B15	SUN MICROSYSTEMS INC	1430 CALIFORNIA CL	CUPA Listings	Lower	106, 0.020, NE
16	COMPUTER PRODUCTS- B	1331 CALIFORNIA CIRC	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Lower	197, 0.037, SE
B17	SUN MICROSYSTEMS	1421 CALIFORNIA CIRC	RCRA-SQG, FINDS, ECHO	Lower	206, 0.039, NNE
B18	KZ KITCHEN - MILPITA	1421 CALIFORNIA CL	CUPA Listings, CERS	Lower	206, 0.039, NNE
C19	IA 111313 SOLYNDRA	1210 CALIFORNIA CL	CUPA Listings	Lower	608, 0.115, ESE
C20	1210 CALIFORNIA CIRC	1210 CALIFORNIA CIR	RCRA-SQG	Lower	608, 0.115, ESE
D21	THAT INTEGRATED SYST	505 FAIRVIEW WAY	CERS HAZ WASTE, CERS	Lower	864, 0.164, SSE
D22	THAT CORP	495 FAIRVIEW WY	RCRA-SQG, ENVIROSTOR, FINDS, ECHO, CUPA Listings,...	Lower	879, 0.166, SSE
D23	SIPEX CORP	491 FAIRVIEW WY	CUPA Listings	Lower	883, 0.167, SSE
D24	SOLEXIR TECHNOLOGY C	509 FAIRVIEW WAY	RCRA-LQG, FINDS, ECHO	Lower	884, 0.167, SE
D25	SOLEXIR TECHNOLOGY C	509 FAIRVIEW WAY	CERS HAZ WASTE, CERS	Lower	884, 0.167, SE
D26	SOLEXIR TECHNOLOGY	509 FAIRVIEW WY	CUPA Listings	Lower	884, 0.167, SE
E27	CUMMINS ELECTRIFIED	1181 CADILLAC CT	CERS HAZ WASTE, CERS	Lower	904, 0.171, South
E28	CUMMINS ELECTRIFIED	1181 CADILLAC CT	RCRA NonGen / NLR	Lower	904, 0.171, South
E29	ASEPCO	1161 CADILLAC CT	CERS HAZ WASTE, CERS, HWTS	Lower	904, 0.171, South
E30	EFFICIENT DRIVETRAIN	1181 CADILLAC CT	RCRA NonGen / NLR	Lower	904, 0.171, South
E31	ASEPCO	1161 CADILLAC CT	RCRA NonGen / NLR	Lower	904, 0.171, South
E32	SAINT-GOBAIN QUARTZ	1181 CADILLAC COURT	ENVIROSTOR, CUPA Listings	Lower	904, 0.171, South
E33	WONIK QUARTZ INTERNA	1181 CADILLAC CT	CUPA Listings	Lower	904, 0.171, South
F34	WAYBACK BURGERS	1547 CALIFORNIA CL	CUPA Listings	Higher	1009, 0.191, NNW
G35	GAS RECOVERY SYSTEMS	1804 DIXON LANDING R	RCRA-LQG, ICIS, US AIRS	Lower	1104, 0.209, NW
G36	GAS RECOVERY SYSTEMS	1804 DIXON LANDING R	CUPA Listings, CERS	Lower	1104, 0.209, NW
F37	DF VENTURE	1551 CALIFORNIA CL	UST	Lower	1114, 0.211, North
F38	DF VENTURE INC DBA D	1551 CALIFORNIA CIR	RCRA NonGen / NLR	Lower	1114, 0.211, North
F39	DF VENTURE	1551 CALIFORNIA CL	CERS HAZ WASTE, CERS TANKS, CERS	Lower	1114, 0.211, North

MAPPED SITES SUMMARY

Target Property Address:
1355 CALIFORNIA CIRCLE
MILPITAS, CA 95035

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	DIXON LANDING CHEVRO	1551 CALIFORNIA CL	CUPA Listings	Lower	1114, 0.211, North
H41	APPLIED MATERIALS IN	380 FAIRVIEW WY	CUPA Listings	Lower	1119, 0.212, SE
H42	ADVANTECH CORPORATIO	380 FAIRVIEW WAY	RCRA NonGen / NLR	Lower	1119, 0.212, SE
I43	SAMSUNG SEMICONDUCTO	1123 CADILLAC CT	CUPA Listings, HAZNET, HWTS	Lower	1166, 0.221, SSE
I44	SAMSUNG SEMICONDUCTO	1123 CADILLAC CT	RCRA NonGen / NLR	Lower	1166, 0.221, SSE
45	DOUDELL TRUCKING	DIXON LANDING & INTE	CPS-SLIC, CERS	Higher	1186, 0.225, ENE
J46	CITY OF MILPITAS - C	1735 CALIFORNIA CL	CUPA Listings	Lower	1316, 0.249, North
J47	CITY OF MILPITAS	1735 CALIFORNIA CIR	LUST, HIST LUST, Cortese, EMI, HIST CORTESE, CERS	Lower	1349, 0.255, NNW
48	DOUDELL PROPERTY	SE CORNER OF DIXON L	ENVIROSTOR	Higher	1845, 0.349, NNW
K49	PRUDENTIAL OVERALL S	1429 N MILPITAS BLVD	RCRA-SQG, LUST, CPS-SLIC, HIST LUST, SWEEPS UST,...	Higher	2115, 0.401, ENE
K50	PRUDENTIAL OVERALL S	1429 MILPITAS BLVD N	CPS-SLIC, CERS	Higher	2130, 0.403, ENE
L51	BFI THE RECYCLERY	1601 DIXON LANDING R	SWF/LF, EMI, HAZMAT, CERS	Lower	2130, 0.403, NNW
L52	BFI NEWBY ISLAND REC	1601 DIXON LANDING R	SWF/LF, CERS	Lower	2130, 0.403, NNW
M53	INTERNATIONAL DSPL C	FT OF DIXON LANDING	SEMS-ARCHIVE	Lower	2232, 0.423, NNW
N54	PEPSI COLA WEST	1800 MILMONT DR	LUST, HIST LUST, HIST UST, CHMIRS, Cortese, HIST...	Higher	2261, 0.428, NNE
N55	1800 MILMONT DRIVE P	1800 MILMONT DR	CPS-SLIC	Higher	2261, 0.428, NNE
N56	FORD CLEANERS	1822 MILMONT DR	CPS-SLIC, CUPA Listings, DRYCLEANERS, HAZNET, HWTS	Higher	2277, 0.431, NNE
O57	DBA TARGET MASTERS W	122 MINNIS CIR	RESPONSE, ENVIROSTOR, Cortese, HAZNET, HWTS	Higher	2414, 0.457, East
O58	CBR CIRCUITS, INC.	116 MINNIS CIR	ENVIROSTOR	Higher	2419, 0.458, East
M59	KINGSFORD PRODUCTS C	1601 DIXON LANDING	ENVIROSTOR, LDS, HIST CORTESE, NPDES, PROC, CIWQS,	Lower	2442, 0.463, NW
M60	BFI - THE RECYCLERY	1601 DIXON LANDING R	RCRA-SQG, ICIS, US AIRS, FINDS, ICE, HWP, CERS	Lower	2442, 0.463, NW
M61	INTERNATIONAL DISPOS	1601 W DIXON LANDING	LUST, HIST LUST, AST, Cortese, EMI, CERS	Lower	2442, 0.463, NW
M62	BFI--NEWBY ISLAND LA	1601 DIXON LANDING R	SEMS-ARCHIVE	Lower	2442, 0.463, NW
M63	NEWBY ISLAND LANDFIL	1601 DIXON LANDING R	AST, WMUDS/SWAT, CUPA Listings, WDS	Lower	2442, 0.463, NW
64	MILPITAS MATERIALS	1125 NORTH MILPITAS	Notify 65	Higher	2914, 0.552, East
65	S & R PRECISION CO.,	49040 MILMONT DRIVE	ENVIROSTOR, EMI	Lower	3209, 0.608, North
P66	BEDFORD PROPERTIES	48870 KATO ROAD	Notify 65	Higher	5015, 0.950, North
P67	HERTZ EQUIPMENT RENT	48887 KATO DR	RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,...	Higher	5062, 0.959, NNE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
SUN MICRO SYSTEMS 1355 CALIFORNIA CIR MILPITAS, CA 95035	SWEEPS UST Comp Number: 83832 CA FID UST Facility Id: 43005971 Status: I	N/A
1355 CALIFORNIA CIRC 1355 CALIFORNIA CIRC MILPITAS, CA 94043	CHMIRS OES Incident Number: 7-0075	N/A
LTX-CREDENCE CORPORA 1355 CALIFORNIA CL MILPITAS, CA 95035	CUPA Listings Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020	N/A
SUN MICROSYSTEMS COM 1355 CALIFORNIA CIRC MILPITAS, CA 95035	HAZNET GEPAID: CAC001249272 HWTS	N/A
REDWOOD CITY ELECTRI 1355 CALIFORNIA CIR MILPITAS, CA 95035	HAZNET GEPAID: CAC002590735 HWTS	N/A
CREDENCE SYSTEMS COR 1355 CALIFORNIA CIR MILPITAS, CA 95035	HAZNET GEPAID: CAL000278827 HWTS	N/A
1X SUN MICROSYSTEMS 1355 CALIFORNIA CIR MILPITAS, CA 95035	HAZNET GEPAID: CAC000864432 HWTS	N/A
LTX CREDENCE CORP 1355 CALIFORNIA CIR MILPITAS, CA 95035	HWTS	N/A
SUN MICROSYSTEMS 1355 CALIFORNIA CIR MILPITAS, CA 95035	CIWQS	N/A
CREDENCE SYSTEM 1355 CALIFORNIA CL MILPITAS, CA 95035	FINDS	N/A

EXECUTIVE SUMMARY

Registry ID:: 110066622042

GRIFALL TRUCKING
1355 CALIFORNIA CIRC
MILPITAS, CA 95035

HAZNET
GEPAID: CAC001240152

HWTS

N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

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

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

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

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

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
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
PFAS ..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

HIST UST ..... Hazardous Substance Storage Container 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
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HWT	Registered Hazardous Waste Transporter Database

MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
HAZMAT Hazardous Material Facilities
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
CERS CERS
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/29/2020 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL DSPL C Site ID: 0901891 EPA Id: CAD980637318	FT OF DIXON LANDING	NNW 1/4 - 1/2 (0.423 mi.)	M53	223
BFI--NEWBY ISLAND LA	1601 DIXON LANDING R	NW 1/4 - 1/2 (0.463 mi.)	M62	320

Federal RCRA generators list

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/15/2020 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOLEXIR TECHNOLOGY C EPA ID:: CAR000245126	***509 FAIRVIEW WAY***	***SE 1/8 - 1/4 (0.167 mi.)***	***D24***	***88***
GAS RECOVERY SYSTEMS EPA ID:: CA0000483578	***1804 DIXON LANDING R***	***NW 1/8 - 1/4 (0.209 mi.)***	***G35***	***116***

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

A review of the RCRA-SQG list, as provided by EDR, and dated 06/15/2020 has revealed that there are 5

RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOLECTRON CALIFORNIA EPA ID:: CAD982508780	***1430 CALIFORNIA CIR***	***NE 0 - 1/8 (0.020 mi.)***	***B12***	***29***
COMPUTER PRODUCTS- B EPA ID:: CAD981380215	***1331 CALIFORNIA CIRC***	***SE 0 - 1/8 (0.037 mi.)***	***16***	***39***
SUN MICROSYSTEMS EPA ID:: CAD981578396	***1421 CALIFORNIA CIRC***	***NNE 0 - 1/8 (0.039 mi.)***	***B17***	***44***
1210 CALIFORNIA CIRC EPA ID:: CAR000192757	1210 CALIFORNIA CIR	ESE 0 - 1/8 (0.115 mi.)	C20	51
THAT CORP EPA ID:: CAR000056739	***495 FAIRVIEW WY***	***SSE 1/8 - 1/4 (0.166 mi.)***	***D22***	***68***

State- and tribal - equivalent NPL

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DBA TARGET MASTERS W Database: RESPONSE, Date of Government Version: 07/27/2020 Status: Active Facility Id: 60002853	***122 MINNIS CIR***	***E 1/4 - 1/2 (0.457 mi.)***	***O57***	***252***

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 07/27/2020 has revealed that there are 7 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DOUDELL PROPERTY Facility Id: 43420005 Status: Refer: RWQCB	SE CORNER OF DIXON L	NNW 1/4 - 1/2 (0.349 mi.)	48	197
DBA TARGET MASTERS W	***122 MINNIS CIR***	***E 1/4 - 1/2 (0.457 mi.)***	***O57***	***252***

Facility Id: 60002853
Status: Active

CBR CIRCUITS, INC. Facility Id: 71002650 Status: Inactive - Needs Evaluation	116 MINNIS CIR	E 1/4 - 1/2 (0.458 mi.)	O58	273

Lower Elevation	Address	Direction / Distance	Map ID	Page
THAT CORP Facility Id: 71003703 Status: Inactive - Needs Evaluation	***495 FAIRVIEW WY***	***SSE 1/8 - 1/4 (0.166 mi.)***	***D22***	***68***
SAINT-GOBAIN QUARTZ Facility Id: 71003684 Facility Id: 71003417 Status: Inactive - Needs Evaluation	***1181 CADILLAC COURT***	***S 1/8 - 1/4 (0.171 mi.)***	***E32***	***113***
KINGSFORD PRODUCTS C Facility Id: 80001840 Facility Id: 43490006 Status: Inactive - Needs Evaluation Status: Refer: Other Agency	***1601 DIXON LANDING***	***NW 1/4 - 1/2 (0.463 mi.)***	***M59***	***274***
S & R PRECISION CO., Facility Id: 71003436 Status: Inactive - Needs Evaluation	***49040 MILMONT DRIVE***	***N 1/2 - 1 (0.608 mi.)***	***65***	***326***

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

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BFI THE RECYCLERY Database: SWF/LF (SWIS), Date of Government Version: 05/11/2020 Facility ID: 43-AN-0017 Operational Status: Active Regulation Status: Permitted	***1601 DIXON LANDING R***	***NNW 1/4 - 1/2 (0.403 mi.)***	***L51***	***219***
BFI NEWBY ISLAND REC Database: SWF/LF (SWIS), Date of Government Version: 05/11/2020 Facility ID: 43-AN-0014 Operational Status: Active Regulation Status: Permitted	***1601 DIXON LANDING R***	***NNW 1/4 - 1/2 (0.403 mi.)***	***L52***	***222***

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRUDENTIAL OVERALL S	***1429 N MILPITAS BLVD***	***ENE 1/4 - 1/2 (0.401 mi.)***	***K49***	***199***

Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST SANTA CLARA, Date of Government Version: 03/03/2014
Database: LUST, Date of Government Version: 06/08/2020
Status: Completed - Case Closed
Facility Status: Remedial action (cleanup) Underway
Global Id: T0608501825
SCVWD ID: 05S1E31M01F

PEPSI COLA WEST	***1800 MILMONT DR***	***NNE 1/4 - 1/2 (0.428 mi.)***	***N54***	***224***

Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST SANTA CLARA, Date of Government Version: 03/03/2014
Database: LUST, Date of Government Version: 06/08/2020
Status: Completed - Case Closed
Facility Id: 43-1848
Facility Status: Case Closed
Date Closed: 10/13/1995
Global Id: T0608501775
SCVWD ID: 05S1W36H01F
date9: 12/15/1995

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF MILPITAS	***1735 CALIFORNIA CIR***	***NNW 1/4 - 1/2 (0.255 mi.)***	***J47***	***191***

Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST SANTA CLARA, Date of Government Version: 03/03/2014
Database: LUST, Date of Government Version: 06/08/2020
Status: Completed - Case Closed
Facility Status: Case Closed
Date Closed: 11/25/1996
Global Id: T0608500740
SCVWD ID: 05S1E31N03F
date9: 11/25/1996

INTERNATIONAL DISPOS	***1601 W DIXON LANDING***	***NW 1/4 - 1/2 (0.463 mi.)***	***M61***	***308***

Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST SANTA CLARA, Date of Government Version: 03/03/2014
Database: LUST, Date of Government Version: 06/08/2020
Status: Completed - Case Closed
Facility Status: Case Closed
Date Closed: 02/26/1993
Global Id: T0608500807
SCVWD ID: 05S1W36L01F
date9: 2/26/1993

EXECUTIVE SUMMARY

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

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 5 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DOUDELL TRUCKING	***DIXON LANDING & INTE***	***ENE 1/8 - 1/4 (0.225 mi.)***	***45***	***189***
Database: CPS-SLIC, Date of Government Version: 06/08/2020 Facility Status: Completed - Case Closed Global Id: T0608500527				
PRUDENTIAL OVERALL S	***1429 N MILPITAS BLVD***	***ENE 1/4 - 1/2 (0.401 mi.)***	***K49***	***199***
Database: SLIC REG 2, Date of Government Version: 09/30/2004 Facility Id: SLT2O107113				
PRUDENTIAL OVERALL S	***1429 MILPITAS BLVD N***	***ENE 1/4 - 1/2 (0.403 mi.)***	***K50***	***218***
Database: CPS-SLIC, Date of Government Version: 06/08/2020 Facility Status: Open - Site Assessment Global Id: SLT2O107113				
1800 MILMONT DRIVE P	1800 MILMONT DR	NNE 1/4 - 1/2 (0.428 mi.)	N55	229
Database: SLIC REG 2, Date of Government Version: 09/30/2004 Facility Id: 43S0448				
FORD CLEANERS	***1822 MILMONT DR***	***NNE 1/4 - 1/2 (0.431 mi.)***	***N56***	***230***
Database: CPS-SLIC, Date of Government Version: 06/08/2020 Facility Status: Open - Remediation Global Id: T10000003689				

HIST LUST: 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.

A review of the HIST LUST list, as provided by EDR, and dated 03/29/2005 has revealed that there are 4 HIST LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRUDENTIAL OVERALL S	***1429 N MILPITAS BLVD***	***ENE 1/4 - 1/2 (0.401 mi.)***	***K49***	***199***
SCVWD ID: 05S1E31M01				
PEPSI COLA WEST	***1800 MILMONT DR***	***NNE 1/4 - 1/2 (0.428 mi.)***	***N54***	***224***
SCVWD ID: 05S1W36H01				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF MILPITAS	***1735 CALIFORNIA CIR***	***NNW 1/4 - 1/2 (0.255 mi.)***	***J47***	***191***
SCVWD ID: 05S1E31N03				
INTERNATIONAL DISPOS	***1601 W DIXON LANDING***	***NW 1/4 - 1/2 (0.463 mi.)***	***M61***	***308***
SCVWD ID: 05S1W36L01				

State and tribal registered storage tank lists

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

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
DF VENTURE	1551 CALIFORNIA CL	N 1/8 - 1/4 (0.211 mi.)	F37	153
Database: UST, Date of Government Version: 06/08/2020				
Facility Id: FA0263368				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWBY ISLAND LANDFIL	***1601 DIXON LANDING R***	***NW 1/4 - 1/2 (0.463 mi.)***	***M63***	***321***

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 07/20/2020 has revealed that there are 5 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THAT INTEGRATED SYST	***505 FAIRVIEW WAY***	***SSE 1/8 - 1/4 (0.164 mi.)***	***D21***	***57***
SOLEXIR TECHNOLOGY C	***509 FAIRVIEW WAY***	***SE 1/8 - 1/4 (0.167 mi.)***	***D25***	***91***
CUMMINS ELECTRIFIED	***1181 CADILLAC CT***	***S 1/8 - 1/4 (0.171 mi.)***	***E27***	***99***
ASEPCO	***1161 CADILLAC CT***	***S 1/8 - 1/4 (0.171 mi.)***	***E29***	***106***
DF VENTURE	***1551 CALIFORNIA CL***	***N 1/8 - 1/4 (0.211 mi.)***	***F39***	***156***

EXECUTIVE SUMMARY

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 07/20/2020 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DF VENTURE	***1551 CALIFORNIA CL***	***N 1/8 - 1/4 (0.211 mi.)***	***F39***	***156***

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/15/2020 has revealed that there are 7 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUN MICROSYSTEMS, IN EPA ID:: CAD982504789	1430 CALIFORNIA CIRC	NE 0 - 1/8 (0.020 mi.)	B14	36
CUMMINS ELECTRIFIED EPA ID:: CAL000446000	1181 CADILLAC CT	S 1/8 - 1/4 (0.171 mi.)	E28	103
EFFICIENT DRIVETRAIN EPA ID:: CAL000402233	1181 CADILLAC CT	S 1/8 - 1/4 (0.171 mi.)	E30	108
ASEPCO EPA ID:: CAL000446900	1161 CADILLAC CT	S 1/8 - 1/4 (0.171 mi.)	E31	111
DF VENTURE INC DBA D EPA ID:: CAL000342206	1551 CALIFORNIA CIR	N 1/8 - 1/4 (0.211 mi.)	F38	153
ADVANTECH CORPORATIO EPA ID:: CAL000448009	380 FAIRVIEW WAY	SE 1/8 - 1/4 (0.212 mi.)	H42	178
SAMSUNG SEMICONDUCTO EPA ID:: CAL000415790	1123 CADILLAC CT	SSE 1/8 - 1/4 (0.221 mi.)	I44	186

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

A review of the Cortese list, as provided by EDR, and dated 06/22/2020 has revealed that there are 5 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRUDENTIAL OVERALL S Cleanup Status: COMPLETED - CASE CLOSED	***1429 N MILPITAS BLVD***	***ENE 1/4 - 1/2 (0.401 mi.)***	***K49***	***199***
PEPSI COLA WEST	***1800 MILMONT DR***	***NNE 1/4 - 1/2 (0.428 mi.)***	***N54***	***224***

Cleanup Status: COMPLETED - CASE CLOSED

DBA TARGET MASTERS W	***122 MINNIS CIR***	***E 1/4 - 1/2 (0.457 mi.)***	***O57***	***252***
Envirostor Id: 60002853 Cleanup Status: ACTIVE				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF MILPITAS	***1735 CALIFORNIA CIR***	***NNW 1/4 - 1/2 (0.255 mi.)***	***J47***	***191***
Cleanup Status: COMPLETED - CASE CLOSED				
INTERNATIONAL DISPOS	***1601 W DIXON LANDING***	***NW 1/4 - 1/2 (0.463 mi.)***	***M61***	***308***
Cleanup Status: COMPLETED - CASE CLOSED				

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 15 CUPA Listings sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAYBACK BURGERS	1547 CALIFORNIA CL	NNW 1/8 - 1/4 (0.191 mi.)	F34	116
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOLECTRON CALIFORNIA	1430 CALIFORNIA CL	NE 0 - 1/8 (0.020 mi.)	B13	36
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
SUN MICROSYSTEMS INC	1430 CALIFORNIA CL	NE 0 - 1/8 (0.020 mi.)	B15	39
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
KZ KITCHEN - MILPITA	***1421 CALIFORNIA CL***	***NNE 0 - 1/8 (0.039 mi.)***	***B18***	***47***
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
IA 111313 SOLYNDRA	1210 CALIFORNIA CL	ESE 0 - 1/8 (0.115 mi.)	C19	50
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
THAT CORP	***495 FAIRVIEW WY***	***SSE 1/8 - 1/4 (0.166 mi.)***	***D22***	***68***
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
SIPEX CORP	491 FAIRVIEW WY	SSE 1/8 - 1/4 (0.167 mi.)	D23	87
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
SOLEXIR TECHNOLOGY	509 FAIRVIEW WY	SE 1/8 - 1/4 (0.167 mi.)	D26	98
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
SAINT-GOBAIN QUARTZ	***1181 CADILLAC COURT***	***S 1/8 - 1/4 (0.171 mi.)***	***E32***	***113***
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
WONIK QUARTZ INTERNA	1181 CADILLAC CT	S 1/8 - 1/4 (0.171 mi.)	E33	116
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
GAS RECOVERY SYSTEMS	***1804 DIXON LANDING R***	***NW 1/8 - 1/4 (0.209 mi.)***	***G36***	***152***
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
DIXON LANDING CHEVRO	1551 CALIFORNIA CL	N 1/8 - 1/4 (0.211 mi.)	F40	177
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
APPLIED MATERIALS IN	380 FAIRVIEW WY	SE 1/8 - 1/4 (0.212 mi.)	H41	178
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAMSUNG SEMICONDUCTO	***1123 CADILLAC CT***	***SSE 1/8 - 1/4 (0.221 mi.)***	***I43***	***181***
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				
CITY OF MILPITAS - C	1735 CALIFORNIA CL	N 1/8 - 1/4 (0.249 mi.)	J46	190
Database: CUPA SANTA CLARA, Date of Government Version: 05/08/2020				

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 4 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRUDENTIAL OVERALL S	***1429 N MILPITAS BLVD***	***ENE 1/4 - 1/2 (0.401 mi.)***	***K49***	***199***
Reg Id: 43-1940				
PEPSI COLA WEST	***1800 MILMONT DR***	***NNE 1/4 - 1/2 (0.428 mi.)***	***N54***	***224***
Reg Id: 43-1848				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF MILPITAS	***1735 CALIFORNIA CIR***	***NNW 1/4 - 1/2 (0.255 mi.)***	***J47***	***191***
Reg Id: 43-0711				
KINGSFORD PRODUCTS C	***1601 DIXON LANDING***	***NW 1/4 - 1/2 (0.463 mi.)***	***M59***	***274***
Reg Id: 43-0788				
Reg Id: 43490006				

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

A review of the HWP list, as provided by EDR, and dated 05/18/2020 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BFI - THE RECYCLERY	***1601 DIXON LANDING R***	***NW 1/4 - 1/2 (0.463 mi.)***	***M60***	***287***
EPA Id: CAT080012479				
Cleanup Status: PROTECTIVE FILER				

PROC: A listing of certified processors.

A review of the PROC list, as provided by EDR, and dated 06/08/2020 has revealed that there is 1 PROC site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KINGSFORD PRODUCTS C	***1601 DIXON LANDING***	***NW 1/4 - 1/2 (0.463 mi.)***	***M59***	***274***
Cert Id: PR0150				
Reg Id: 27574				

EXECUTIVE SUMMARY

Notify 65: 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.

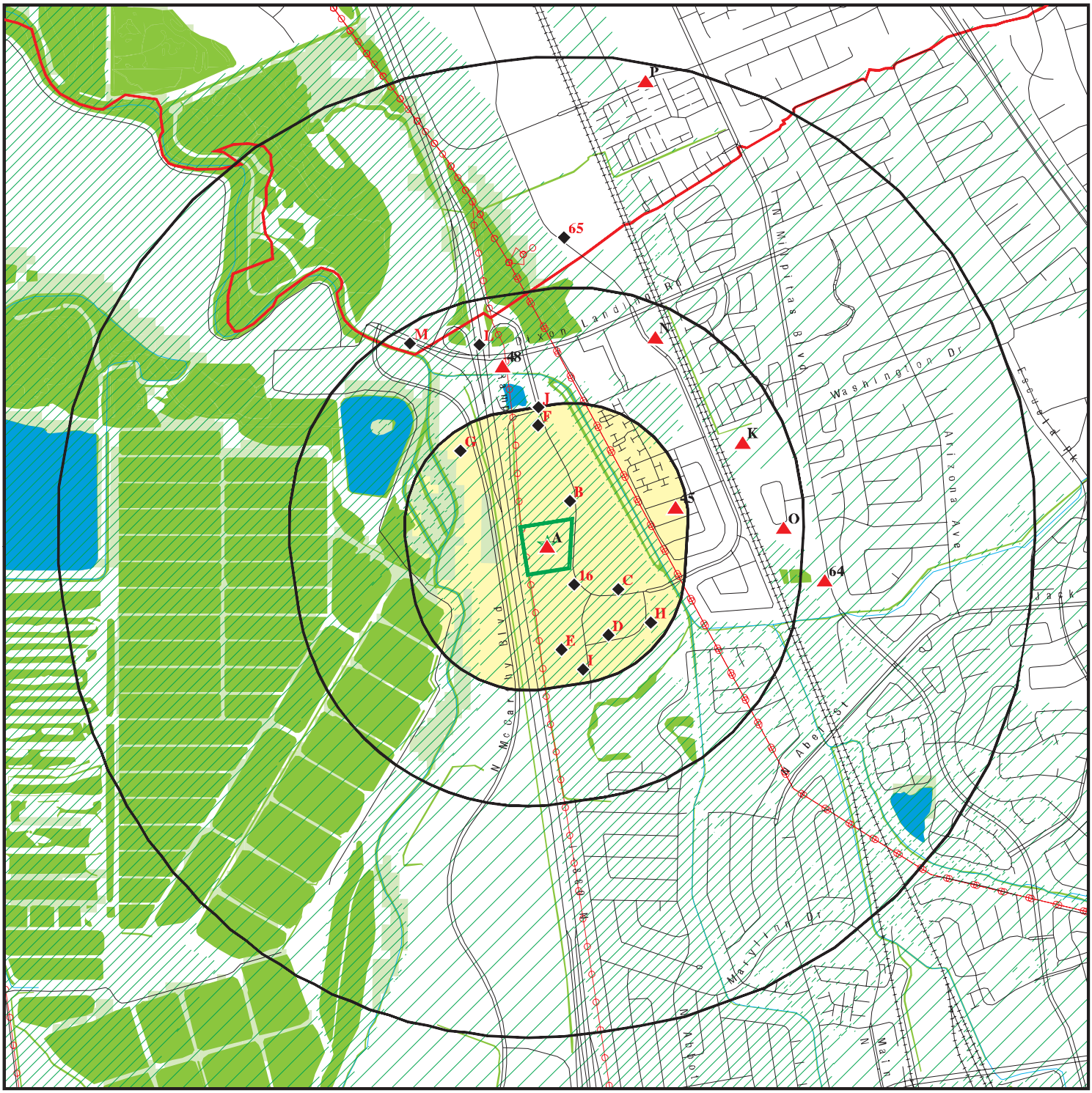
A review of the Notify 65 list, as provided by EDR, and dated 08/21/2020 has revealed that there are 3 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MILPITAS MATERIALS	1125 NORTH MILPITAS	E 1/2 - 1 (0.552 mi.)	64	326
BEDFORD PROPERTIES	48870 KATO ROAD	N 1/2 - 1 (0.950 mi.)	P66	328
HERTZ EQUIPMENT RENT	***48887 KATO DR***	***NNE 1/2 - 1 (0.959 mi.)***	***P67***	***329***

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6254971.2S



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:	California Circle Phase I ESA	CLIENT:	Cornerstone Earth Group
ADDRESS:	1355 California Circle Milpitas CA 95035	CONTACT:	Chris Heiny
LAT/LONG:	37.448386 / 121.920345	INQUIRY #:	6254971.2s
		DATE:	November 05, 2020 4:36 pm

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DETAIL MAP - 6254971.2S



- 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
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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:	California Circle Phase I ESA	CLIENT:	Cornerstone Earth Group
ADDRESS:	1355 California Circle Milpitas CA 95035	CONTACT:	Chris Heiny
		INQUIRY #:	6254971.2s
LAT/LONG:	37.448386 / 121.920345	DATE:	November 05, 2020 4:41 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	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	2	NR	NR	2
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	2	NR	NR	NR	2
RCRA-SQG	0.250		4	1	NR	NR	NR	5
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	1	0	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	2	4	1	NR	7
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	2	NR	NR	2
State and tribal leaking storage tank lists								
LUST	0.500		0	0	4	NR	NR	4

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	1	4	NR	NR	5
HIST LUST	0.500		0	0	4	NR	NR	4
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
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	1	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	5	NR	NR	NR	5
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	0	0	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	1	NR	NR	NR	1
CA FID UST	0.250	1	0	0	NR	NR	NR	1
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001	1	0	NR	NR	NR	NR	1
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	6	NR	NR	NR	7
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	5	NR	NR	5
CUPA Listings	0.250	1	4	11	NR	NR	NR	16

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	5	0	NR	NR	NR	NR	5
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	4	NR	NR	4
HWP	1.000		0	0	1	0	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	1	NR	NR	1
Notify 65	1.000		0	0	0	3	NR	3
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	1	0	NR	NR	NR	NR	1
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP	6	NR	NR	NR	NR	NR	6
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		17	9	30	33	4	0	93

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **SUN MICRO SYSTEMS** **SWEEPS UST** **S101594560**
Target **1355 CALIFORNIA CIR** **CA FID UST** **N/A**
Property **MILPITAS, CA 95035**

Site 1 of 11 in cluster A

Actual: **12 ft.**

SWEEPS UST:

Name:	SUN MICRO SYSTEMS
Address:	1355 CALIFORNIA CIR
City:	MILPITAS
Status:	Not reported
Comp Number:	83832
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	43-011-083832-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	1

CA FID UST:

Facility ID:	43005971
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	4082765096
Mail To:	Not reported
Mailing Address:	1355 CALIFORNIA CIR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	MILPITAS 95035
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

A2 **CHMIRS** **S103629075**
Target **1355 CALIFORNIA CIRCLE** **N/A**
Property **MILPITAS, CA 94043**

Site 2 of 11 in cluster A

Actual: **12 ft.**

CHMIRS:

Name:	Not reported
Address:	1355 CALIFORNIA CIRCLE
City,State,Zip:	MILPITAS, CA 94043
OES Incident Number:	7-0075
OES notification:	01/06/1997
OES Date:	Not reported

(Continued) **S103629075**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	unknown
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	Sun Micro Systems
Incident Date:	1/6/199712:00:00 AM
Admin Agency:	Santa Clara County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	diesel
Gallons:	10-15
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported

(Continued) **S103629075**

#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Truck ran off of road after hitting emergency pole and went into small creek, fuel line busted. Area was boomed and a licensed waste hauler is currently conducting the cleanup.

A3 **LTX-CREDENCE CORPORATION** **CUPA Listings** **S121473018**
Target **1355 CALIFORNIA CL** **N/A**
Property **MILPITAS, CA 95035**

Site 3 of 11 in cluster A

Actual: **12 ft.**

CUPA SANTA CLARA:

Name:	LTX-CREDENCE CORPORATION
Address:	1355 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2205
Program Description:	GENERATES 100 KG YR TO <5 TONS/YR
Latitude:	37.448227
Longitude:	-121.919461
Record ID:	PR0375630
Facility ID:	FA0257084

A4 **SUN MICROSYSTEMS COMPUTER CORP** **HAZNET** **S112877773**
Target **1355 CALIFORNIA CIRCLE** **HWTS** **N/A**
Property **MILPITAS, CA 95035**

Site 4 of 11 in cluster A

Actual: **12 ft.**

HAZNET:

Name:	SUN MICROSYSTEMS COMPUTER CORP
Address:	1355 CALIFORNIA CIRCLE
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950350000
Contact:	DEBRA BUSER
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	901 SAN ANTONIO RD MS MPK 15-208
Year:	1997
Gepaid:	CAC001249272
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	D99 - Disposal, Other
Tons:	0.03

Additional Info:

Year:	1997
Gen EPA ID:	CAC001249272

SUN MICROSYSTEMS COMPUTER CORP (Continued) **S112877773**

Shipment Date:	19970822
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970827
Manifest ID:	96585245
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SUN MICROSYSTEMS COMPUTER CORP
Address:	1355 CALIFORNIA CIRCLE
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950350000
EPA ID:	CAC001249272
Inactive Date:	10/25/2000
Create Date:	08/19/1997
Last Act Date:	08/13/2008
Mailing Name:	Not reported
Mailing Address:	901 SAN ANTONIO RD MS MPK 15-208
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PALO ALTO, CA 943030000
Owner Name:	CORPORATION
Owner Address:	2550 GARCIA AVE MTV 01-210
Owner Address 2:	Not reported
Owner City,State,Zip:	MOUNTAIN VIEW, CA 940430000
Contact Name:	DEBRA BUSER
Contact Address:	1355 CALIFORNIA CIRCLE
Contact Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950350000

A5 **REDWOOD CITY ELECTRIC INC** **HAZNET S112945707**
Target **1355 CALIFORNIA CIR** **HWTS N/A**
Property **MILPITAS, CA 95035**

Site 5 of 11 in cluster A

Actual:
12 ft.

HAZNET:

Name:	REDWOOD CITY ELECTRIC INC
Address:	1355 CALIFORNIA CIR
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950353021

REDWOOD CITY ELECTRIC INC (Continued) **S112945707**

Contact:	GEOFF TREDWELL
Telephone:	4084534814
Mailing Name:	Not reported
Mailing Address:	1630 ZANKER RD
Year:	2005
Gepaid:	CAC002590735
TSD EPA ID:	CAD009466392
CA Waste Code:	512 - Other empty containers 30 gallons or more
Disposal Method:	-
Tons:	0.2

Additional Info:

Year:	2005
Gen EPA ID:	CAC002590735
Shipment Date:	20050520
Creation Date:	7/27/2005 10:48:47
Receipt Date:	20050525
Manifest ID:	24527911
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009466392
Trans Name:	ECOLOGY CONTROL INDUSTRIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	NONE
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	REDWOOD CITY ELECTRIC INC
Address:	1355 CALIFORNIA CIR
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950353021
EPA ID:	CAC002590735
Inactive Date:	11/16/2005
Create Date:	05/19/2005
Last Act Date:	11/07/2005
Mailing Name:	Not reported
Mailing Address:	1630 ZANKER RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN JOSE, CA 95112
Owner Name:	REDWOOD CITY ELECTRIC INC
Owner Address:	1630 ZANKER RD

REDWOOD CITY ELECTRIC INC (Continued) **S112945707**

Owner Address 2:	Not reported
Owner City,State,Zip:	SAN JOSE, CA 95112
Contact Name:	GEOFF TREDWELL
Contact Address:	1630 ZANKER RD
Contact Address 2:	Not reported
City,State,Zip:	SAN JOSE, CA 95112

A6 **CREDENCE SYSTEMS CORP** **HAZNET** **S113130504**
Target **1355 CALIFORNIA CIR** **HWTS** **N/A**
Property **MILPITAS, CA 95035**

Site 6 of 11 in cluster A

Actual:
12 ft.

HAZNET:

Name:	CREDENCE SYSTEMS CORP
Address:	1355 CALIFORNIA CIR
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950353021
Contact:	MARK HEREFORD, DIR FACILITIES
Telephone:	4086354839
Mailing Name:	Not reported
Mailing Address:	1421 CALIFORNIA CIRCLE
Year:	2017
Gepaid:	CAL000278827
TSD EPA ID:	TXD982290140
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0125
Year:	2015
Gepaid:	CAL000278827
TSD EPA ID:	UTD981552177
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0075
Year:	2015
Gepaid:	CAL000278827
TSD EPA ID:	UTD981552177
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0325
Year:	2015
Gepaid:	CAL000278827
TSD EPA ID:	UTD981552177
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.165
Year:	2009
Gepaid:	CAL000278827
TSD EPA ID:	CAD003963592
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Tons: 0.0465

Year: 2007
Gepaid: CAL000278827
TSD EPA ID: CAD009452657
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1

Year: 2006
Gepaid: CAL000278827
TSD EPA ID: CAD009452657
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0015

Year: 2006
Gepaid: CAL000278827
TSD EPA ID: CAD009452657
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: R01 - Recycler
Tons: 0.1815

Year: 2005
Gepaid: CAL000278827
TSD EPA ID: NVD980895338
CA Waste Code: 352 - Other organic solids
Disposal Method: T03 - Treatment, Incineration
Tons: 0.045

Year: 2005
Gepaid: CAL000278827
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: R01 - Recycler
Tons: 0.35

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2017
Gen EPA ID: CAL000278827

Shipment Date: 20170227
Creation Date: 5/11/2018 18:33:30
Receipt Date: 20170315
Manifest ID: 010468705FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: MOD095038998
Trans 2 Name: TSMT
TSDF EPA ID: TXD982290140
Trans Name: CLEAN HARBORS LAPORTE LLC

CREDENCE SYSTEMS CORP (Continued) **S113130504**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000278827
Shipment Date:	20050311
Creation Date:	6/12/2005 18:30:27
Receipt Date:	20050325
Manifest ID:	24203880
Trans EPA ID:	CAR000052803
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050311
Creation Date:	6/12/2005 18:30:27
Receipt Date:	20050325
Manifest ID:	24203880
Trans EPA ID:	CAR000052803
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000278827
Shipment Date:	20040616
Creation Date:	1/10/2005 18:31:35
Receipt Date:	20040705
Manifest ID:	23415404
Trans EPA ID:	CAR000052803
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040524
Creation Date:	10/29/2004 7:40:51
Receipt Date:	20040603
Manifest ID:	23416020
Trans EPA ID:	CAR000052803
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
Trans 2 EPA ID:	UTD981552425
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000278827
Shipment Date:	20151005
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009117733FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009117733FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D008
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Shipment Date:	20151005
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009117733FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151005
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151019
Manifest ID:	009117733FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151005
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151019
Manifest ID:	009117733FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	UTD981552177

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U220
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0775
Waste Quantity:	155
Quantity Unit:	P
Additional Code 1:	U002
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151019
Manifest ID:	009117733FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U220
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	U002
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151019
Manifest ID:	009117733FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0325
Waste Quantity:	65

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2007
Gen EPA ID: CAL000278827

Shipment Date: 20070124
Creation Date: 8/8/2007 18:30:15
Receipt Date: 20070124
Manifest ID: 001450108JJK
Trans EPA ID: CAD009452657
Trans Name: ROMIC ENVIRONMENTAL TECHNOLOGIES CORPORATION/AES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009452657
Trans Name: ROMIC ENVIRONMENTAL TECHNOLOGIES CORPORATION/AES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D008
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2009
Gen EPA ID: CAL000278827

Shipment Date: 20090401
Creation Date: 5/11/2009 18:30:47
Receipt Date: 20090401
Manifest ID: 005286554JJK
Trans EPA ID: CAD003963592
Trans Name: ECS REFINING
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD003963592
Trans Name: ECS REFINING TEXAS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons: 0.0355

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Waste Quantity:	71
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090401
Creation Date:	5/11/2009 18:30:47
Receipt Date:	20090401
Manifest ID:	005286554JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING TEXAS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.011
Waste Quantity:	22
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000278827
Shipment Date:	20060926
Creation Date:	4/19/2007 18:30:43
Receipt Date:	20060927
Manifest ID:	001439586JJK
Trans EPA ID:	CAD009452657
Trans Name:	ROMIC ENVIRONMENTAL TECHNOLOGIES CORPORATION/AES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009452657
Trans Name:	ROMIC ENVIRONMENTAL TECHNOLOGIES CORPORATION/AES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060331
Creation Date:	7/27/2006 18:38:26
Receipt Date:	20060331
Manifest ID:	25127903
Trans EPA ID:	CAD009452657
Trans Name:	ROMIC ENVIRONMENTAL TECH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009452657
Trans Name:	ROMIC ENVIRONMENTAL TECH
TSDF Alt EPA ID:	CAD009452657
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CREDENCE SYSTEMS CORP
Address:	1355 CALIFORNIA CIR
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950353021
EPA ID:	CAL000278827
Inactive Date:	06/30/2009
Create Date:	02/03/2004
Last Act Date:	04/12/2011
Mailing Name:	SUSAN DEASON, EHS
Mailing Address:	1421 CALIFORNIA CIRCLE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MILPITAS, CA 950353099
Owner Name:	CREDENCE SYSTEMS CORP
Owner Address:	1421 CALIFORNIA CIR
Owner Address 2:	Not reported
Owner City,State,Zip:	MILPITAS, CA 950353099
Contact Name:	MARK HEREFORD, DIR FACILITIES
Contact Address:	1421 CALIFORNIA CIRCLE
Contact Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950350000

NAICS:

EPA ID:	CAL000278827
Create Date:	2004-02-03 13:20:22.983
NAICS Code:	334413
NAICS Description:	Semiconductor and Related Device Manufacturing
Issued EPA ID Date:	2004-02-03 13:20:22.93700
Inactive Date:	2009-06-30 00:00:00

CREDENCE SYSTEMS CORP (Continued) **S113130504**

Facility Name: CREDENCE SYSTEMS CORP
Facility Address: 1355 CALIFORNIA CIR
Facility Address 2: Not reported
Facility City: MILPITAS
Facility County: Not reported
Facility State: CA
Facility Zip: 950353021

Name: CREDENCE SYSTEMS CORP
Address: 1355 CALIFORNIA CIR
Address 2: Not reported
City,State,Zip: MILPITAS, CA 950353021
EPA ID: CAL000278902
Inactive Date: 06/30/2004
Create Date: 02/04/2004
Last Act Date: 08/17/2004
Mailing Name: SUSAN DEASON, EHS
Mailing Address: 1421 CALIFORNIA CIR
Mailing Address 2: Not reported
Mailing City,State,Zip: MILPITAS, CA 950353099
Owner Name: CREDENCE SYSTEMS CORP
Owner Address: 1421 CALIFORNIA CIR
Owner Address 2: Not reported
Owner City,State,Zip: MILPITAS, CA 950353099
Contact Name: JULIE KAHOE
Contact Address: 1421 CALIFORNIA CIR
Contact Address 2: Not reported
City,State,Zip: MILPITAS, CA 950353099

NAICS:
EPA ID: CAL000278902
Create Date: 2004-02-04 13:52:25.500
NAICS Code: 334413
NAICS Description: Semiconductor and Related Device Manufacturing
Issued EPA ID Date: 2004-02-04 13:52:25.48700
Inactive Date: 2004-06-30 00:00:00
Facility Name: CREDENCE SYSTEMS CORP
Facility Address: 1355 CALIFORNIA CIR
Facility Address 2: Not reported
Facility City: MILPITAS
Facility County: Not reported
Facility State: CA
Facility Zip: 950353021

A7 **1X SUN MICROSYSTEMS COMPUTER CORP** **HAZNET** **S123749401**
Target **1355 CALIFORNIA CIR** **HWTS** **N/A**
Property **MILPITAS, CA 95035**

Site 7 of 11 in cluster A

Actual:
12 ft.

HAZNET:
Name: 1X SUN MICROSYSTEMS COMPUTER CORP
Address: 1355 CALIFORNIA CIR
Address 2: Not reported
City,State,Zip: MILPITAS, CA 950350000
Contact: MIKE DODGE

1X SUN MICROSYSTEMS COMPUTER CORP (Continued) **S123749401**

Telephone: 4082765096
Mailing Name: Not reported
Mailing Address: 2550 GARCIA AVE

Year: 1992
Gepaid: CAC000864432
TSD EPA ID: CAD083166728
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 1.7013

Year: 1992
Gepaid: CAC000864432
TSD EPA ID: CAD009466392
CA Waste Code: 512 - Other empty containers 30 gallons or more
Disposal Method: R01 - Recycler
Tons: 0.75

HWTS:
Name: 1X SUN MICROSYSTEMS COMPUTER CORP
Address: 1355 CALIFORNIA CIR
Address 2: Not reported
City,State,Zip: MILPITAS, CA 950350000
EPA ID: CAC000864432
Inactive Date: 10/21/1992
Create Date: 07/21/1992
Last Act Date: 08/19/1997
Mailing Name: Not reported
Mailing Address: 2550 GARCIA AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: MOUNTAIN VIEW, CA 940430000
Owner Name: SUN MICRO SYSTEMS COMPUTER COR
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: MIKE DODGE
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

A8 **LTX CREDENCE CORP** **HWTS** **S124908830**
Target Property **1355 CALIFORNIA CIR** **N/A**
MILPITAS, CA 95035

Site 8 of 11 in cluster A

Actual: 12 ft.

HWTS:
Name: LTX CREDENCE CORP
Address: 1355 CALIFORNIA CIR
Address 2: Not reported
City,State,Zip: MILPITAS, CA 95035
EPA ID: CAL000414720
Inactive Date: 06/30/2017
Create Date: 03/01/2016
Last Act Date: 03/01/2016
Mailing Name: Not reported

LTX CREDENCE CORP (Continued) **S124908830**

Mailing Address: 1355 CALIFORNIA CIR
Mailing Address 2: Not reported
Mailing City,State,Zip: MILPITAS, CA 95035
Owner Name: LTX CREDENCE CORP
Owner Address: 825 UNIVERSITY AVE
Owner Address 2: Not reported
Owner City,State,Zip: NORWOOD, MA 02062
Contact Name: JOSE ALCANTAR
Contact Address: 1355 CALIFORNIA CIR
Contact Address 2: Not reported
City,State,Zip: MILPITAS, CA 95035

NAICS:
EPA ID: CAL000414720
Create Date: 2016-03-01 11:06:22.423
NAICS Code: 334515
NAICS Description: Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
Issued EPA ID Date: 2016-03-01 11:06:22.29300
Inactive Date: 2017-06-30 00:00:00
Facility Name: LTX CREDENCE CORP
Facility Address: 1355 CALIFORNIA CIR
Facility Address 2: Not reported
Facility City: MILPITAS
Facility County: Not reported
Facility State: CA
Facility Zip: 95035

EPA ID: CAL000414720
Create Date: 2016-03-01 11:06:22.423
NAICS Code: 334515
NAICS Description: Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
Issued EPA ID Date: 2016-03-01 11:06:22.29300
Inactive Date: 2017-06-30 00:00:00
Facility Name: LTX CREDENCE CORP
Facility Address: 1355 CALIFORNIA CIR
Facility Address 2: Not reported
Facility City: MILPITAS
Facility County: Not reported
Facility State: CA
Facility Zip: 95035

A9 **SUN MICROSYSTEMS** **CIWQS** **S121677707**
Target **1355 CALIFORNIA CIR** **N/A**
Property **MILPITAS, CA 95035**

Site 9 of 11 in cluster A

Actual:
12 ft.

CIWQS:
Name: SUN MICROSYSTEMS
Address: 1355 CALIFORNIA CIR
City,State,Zip: MILPITAS, CA 95035
Agency: Sun Microsystems
Agency Address: 901 San Antonio Rd, Palo Alto, CA 94303
Place/Project Type: Industrial - Electronic Computers
SIC/NAICS: 3571

SUN MICROSYSTEMS (Continued) **S121677707**

Region:	2
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 43I012721
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/04/1996
Termination Date:	01/30/2001
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	37.44784
Longitude:	-121.91934

A10 **CREDENCE SYSTEM** **FINDS** **1023364740**
Target **1355 CALIFORNIA CL** **N/A**
Property **MILPITAS, CA 95035**

Site 10 of 11 in cluster A

Actual:
12 ft.

FINDS:
Registry ID: 110066622042

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A11 **GRIFALL TRUCKING** **HAZNET** **S112876944**
Target **1355 CALIFORNIA CIRCLE** **HWTS** **N/A**
Property **MILPITAS, CA 95035**

Site 11 of 11 in cluster A

Actual:
12 ft.

HAZNET:

Name:	GRIFALL TRUCKING
Address:	1355 CALIFORNIA CIRCLE
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950350000
Contact:	BOB GRIFALL, OWNER
Telephone:	4082978868
Mailing Name:	Not reported
Mailing Address:	1000 SOUTH 3RD ST
Year:	1997
Gepaid:	CAC001240152
TSD EPA ID:	CAD088838222
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler

GRIFALL TRUCKING (Continued) **S112876944**

Tons: 1.33

Year: 1997
Gepaid: CAC001240152
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 10.1136

Additional Info:
Year: 1997
Gen EPA ID: CAC001240152

Shipment Date: 19970205
Creation Date: 5/30/1997 0:00:00
Receipt Date: 19970207
Manifest ID: 96049166
Trans EPA ID: CAD063547996
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 10.1136
Waste Quantity: 12
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19970106
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19970115
Manifest ID: 96049159
Trans EPA ID: CAD982504979
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD088838222
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 1.33
Waste Quantity: 350
Quantity Unit: G
Additional Code 1: Not reported

GRIFALL TRUCKING (Continued) **S112876944**

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: GRIFALL TRUCKING
Address: 1355 CALIFORNIA CIRCLE
Address 2: Not reported
City,State,Zip: MILPITAS, CA 950350000
EPA ID: CAC001240152
Inactive Date: 10/25/2000
Create Date: 01/06/1997
Last Act Date: 10/25/2000
Mailing Name: Not reported
Mailing Address: 1000 SOUTH 3RD ST
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN JOSE, CA 951120000
Owner Name: --
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: BOB GRIFALL, OWNER
Contact Address: 1000 SOUTH 3RD ST
Contact Address 2: Not reported
City,State,Zip: SAN JOSE, CA 951120000

B12 **SOLECTRON CALIFORNIA** **RCRA-SQG 1000880978**
NE **1430 CALIFORNIA CIR** **FINDS CAD982508780**
< 1/8 **MILPITAS, CA 95035** **ECHO**
0.020 mi. **EMI**
106 ft. **Site 1 of 6 in cluster B**

Relative: **Lower**
Actual: **9 ft.**

RCRA-SQG:
Date Form Received by Agency: 1999-10-25 00:00:00.0
Handler Name: SOLECTRON CALIFORNIA
Handler Address: 1430 CALIFORNIA CIR
Handler City,State,Zip: MILPITAS, CA 95035
EPA ID: CAD982508780
Contact Name: RONALD LEACH
Contact Address: 847 GIBRALTAR DR EHS DEPT
Contact City,State,Zip: MILPITAS, CA 95035
Contact Telephone: 408-956-6603
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 847 GIBRALTAR DR EHS DEPT
Mailing City,State,Zip: MILPITAS, CA 95035

SOLECTRON CALIFORNIA (Continued) **1000880978**

Owner Name:	SOLECTRON CORP
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2006-09-05 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported

SOLECTRON CALIFORNIA (Continued) **1000880978**

Manifest Broker: Not reported
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D008
Waste Description: LEAD

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOLECTRON CORP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 847 GIBRALTAR DR
Owner/Operator City,State,Zip: MILPITAS, CA 95035
Owner/Operator Telephone: 408-957-8500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

SOLECTRON CALIFORNIA (Continued) **1000880978**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLECTRON CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	847 GIBRALTAR DR
Owner/Operator City,State,Zip:	MILPITAS, CA 95035
Owner/Operator Telephone:	408-957-8500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1999-10-25 00:00:00.0
Handler Name:	SOLECTRON CALIFORNIA
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1999-10-25 00:00:00.0
Handler Name:	SOLECTRON CALIFORNIA
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1992-02-25 00:00:00.0
Handler Name:	SUN MICROSYSTEMS, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

SOLECTRON CALIFORNIA (Continued) **1000880978**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334111
NAICS Description:	ELECTRONIC COMPUTER MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID:	110009547142

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000880978
Registry ID:	110009547142
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009547142
Name:	SOLECTRON CALIFORNIA
Address:	1430 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035

EMI:

Name:	SUN MICROSYSTEMS
Address:	1430 CALIFORNIA CIRCL
City,State,Zip:	MILPITAS, CA 95035
Year:	1990
County Code:	43
Air Basin:	SF
Facility ID:	4507
Air District Name:	BA
SIC Code:	3671
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8

SOLECTRON CALIFORNIA (Continued) **1000880978**

Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUN MICROSYSTEMS
Address:	1430 CALIFORNIA CIRCL
City,State,Zip:	MILPITAS, CA 95035
Year:	1995
County Code:	43
Air Basin:	SF
Facility ID:	4507
Air District Name:	BA
SIC Code:	3672
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUN MICROSYSTEMS
Address:	1430 CALIFORNIA CIRCL
City,State,Zip:	MILPITAS, CA 95035
Year:	1996
County Code:	43
Air Basin:	SF
Facility ID:	4507
Air District Name:	BA
SIC Code:	3672
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUN MICROSYSTEMS
Address:	1430 CALIFORNIA CIRCL
City,State,Zip:	MILPITAS, CA 95035
Year:	1997
County Code:	43
Air Basin:	SF
Facility ID:	4507
Air District Name:	BA
SIC Code:	3672
Air District Name:	BAY AREA AQMD

SOLECTRON CALIFORNIA (Continued) **1000880978**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUN MICROSYSTEMS
Address:	1430 CALIFORNIA CIRCL
City,State,Zip:	MILPITAS, CA 95035
Year:	1998
County Code:	43
Air Basin:	SF
Facility ID:	4507
Air District Name:	BA
SIC Code:	3672
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SOLECTRON CALIFORNIA
Address:	1430 CALIFORNIA CIRCL
City,State,Zip:	MILPITAS, CA 95035
Year:	2001
County Code:	43
Air Basin:	SF
Facility ID:	12403
Air District Name:	BA
SIC Code:	3679
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

B13 **SOLECTRON CALIFORNIA BLDG 22** **CUPA Listings** **S121472234**
NE **1430 CALIFORNIA CL** **N/A**
< 1/8 **MILPITAS, CA 95035**
0.020 mi.
106 ft. **Site 2 of 6 in cluster B**

Relative: CUPA SANTA CLARA:
Lower

Name:	SOLECTRON CALIFORNIA BLDG 22
Address:	1430 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2208
Program Description:	GENERATES 50 TO <250 TONS/YR
Latitude:	37.448934
Longitude:	-121.91907
Record ID:	PR0367991
Facility ID:	FA0252783

Actual:
9 ft.

Name:	SOLECTRON CALIFORNIA BLDG 22
Address:	1430 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2263
Program Description:	CONDITIONALLY EXEMPT (CE)
Latitude:	37.448934
Longitude:	-121.91907
Record ID:	PR0369470
Facility ID:	FA0252783

B14 **SUN MICROSYSTEMS, INC** **RCRA NonGen / NLR** **1000880976**
NE **1430 CALIFORNIA CIRCLE** **CAD982504789**
< 1/8 **MILPITAS, CA 95035**
0.020 mi.
106 ft. **Site 3 of 6 in cluster B**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:	1989-12-14 00:00:00.0
Handler Name:	SUN MICROSYSTEMS, INC
Handler Address:	1430 CALIFORNIA CIRCLE
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAD982504789
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	1430 CALIFORNIA CIRCLE
Contact City,State,Zip:	MILPITAS, CA 95035
Contact Telephone:	408-276-5543
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	CA
State District:	2
Mailing Address:	2550 GARCIA AVE, MSM9-70
Mailing City,State,Zip:	MOUNTAIN VIEW, CA 94043
Owner Name:	PRENTISS PROPERTIES

Actual:
9 ft.

SUN MICROSYSTEMS, INC (Continued) **1000880976**

Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:34:41.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

SUN MICROSYSTEMS, INC (Continued) **1000880976**

Sub-Part P Indicator: Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PRENTISS PROPERTIES
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1989-12-14 00:00:00.0
Handler Name:	SUN MICROSYSTEMS, INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334111
NAICS Description:	ELECTRONIC COMPUTER MANUFACTURING

NAICS Code:	541512
NAICS Description:	COMPUTER SYSTEMS DESIGN SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B15 **SUN MICROSYSTEMS INC** **CUPA Listings** **S121468702**
NE **1430 CALIFORNIA CL** **N/A**
< 1/8 **MILPITAS, CA 95035**
0.020 mi.
106 ft. **Site 4 of 6 in cluster B**

Relative: **Lower**
Actual: **9 ft.**

CUPA SANTA CLARA:

Name:	SUN MICROSYSTEMS INC
Address:	1430 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2261
Program Description:	PERMIT BY RULE (PBR)
Latitude:	37.448934
Longitude:	-121.91907
Record ID:	PR0364974
Facility ID:	FA0202430

Name:	SUN MICROSYSTEMS INC
Address:	1430 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2205
Program Description:	GENERATES 100 KG YR TO <5 TONS/YR
Latitude:	37.448934
Longitude:	-121.91907
Record ID:	PR0313229
Facility ID:	FA0202430

---

16 **COMPUTER PRODUCTS- BPSCHERT** **RCRA-SQG** **1000350339**
SE **1331 CALIFORNIA CIRCLE** **FINDS** **CAD981380215**
< 1/8 **MILPITAS, CA 95035** **ECHO**
0.037 mi. **HAZNET**
197 ft. **HWTS**

Relative: **Lower**
Actual: **8 ft.**

RCRA-SQG:

Date Form Received by Agency:	1986-02-21 00:00:00.0
Handler Name:	COMPUTER PRODUCTS- BPSCHERT
Handler Address:	1331 CALIFORNIA CIRCLE
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAD981380215
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	1331 CALIFORNIA CIRCLE
Contact City,State,Zip:	MILPITAS, CA 95035
Contact Telephone:	415-555-1212
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	2
Mailing Address:	CALIFORNIA CIRCLE
Mailing City,State,Zip:	MILPITAS, CA 95035
Owner Name:	SHUWA INC CORP

COMPUTER PRODUCTS- BPSCHERT (Continued) **1000350339**

Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 17:29:29.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

COMPUTER PRODUCTS- BPSCHERT (Continued) **1000350339**

Sub-Part P Indicator: Not reported

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SHUWA INC CORP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1986-02-21 00:00:00.0
Handler Name: COMPUTER PRODUCTS- BPSCHERT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002687450

COMPUTER PRODUCTS- BPSCHERT (Continued) **1000350339**

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000350339
Registry ID:	110002687450
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002687450
Name:	COMPUTER PRODUCTS- BPSCHERT
Address:	1331 CALIFORNIA CIRCLE
City,State,Zip:	MILPITAS, CA 95035

HAZNET:

Name:	COMPUTER PRODUCTS- BPSCHERT
Address:	1331 CALIFORNIA CIRCLE
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950350000
Contact:	UNDELIVERABLE SURVEY 1-25-95LH
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1331 CALIFORNIA CIRCLE
Year:	1994
Gepaid:	CAD981380215
TSD EPA ID:	WAD991281767
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	-
Tons:	0.005
Year:	1988
Gepaid:	CAD981380215
TSD EPA ID:	CAD059494310
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	D99 - Disposal, Other
Tons:	1.1465
Year:	1987
Gepaid:	CAD981380215
TSD EPA ID:	CAD059494310
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	01 -
Tons:	0.0208
Year:	1987
Gepaid:	CAD981380215
TSD EPA ID:	CAD059494310
CA Waste Code:	512 - Other empty containers 30 gallons or more
Disposal Method:	01 -

COMPUTER PRODUCTS- BPSCHERT (Continued) **1000350339**

Tons: 0

Year: 1986
Gepaid: CAD981380215
TSD EPA ID: CAD059494310
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: UNK -
Tons: 0.2293

Year: 1986
Gepaid: CAD981380215
TSD EPA ID: CAD059494310
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: D99 - Disposal, Other
Tons: 0.2293

Additional Info:
Year: 1994
Gen EPA ID: CAD981380215

Shipment Date: 19940502
Creation Date: 10/5/1995 0:00:00
Receipt Date: 19940504
Manifest ID: 93063661
Trans EPA ID: CAD982492399
Trans Name: Not reported
Trans 2 EPA ID: CAD063547996
Trans 2 Name: Not reported
TSDF EPA ID: WAD991281767
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D009
Meth Code: - Not reported
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: COMPUTER PRODUCTS- BPSCHERT
Address: 1331 CALIFORNIA CIRCLE
Address 2: Not reported
City,State,Zip: MILPITAS, CA 950350000
EPA ID: CAD981380215
Inactive Date: 01/01/1995
Create Date: 04/10/1987
Last Act Date: 08/10/2004
Mailing Name: Not reported
Mailing Address: 1331 CALIFORNIA CIRCLE

COMPUTER PRODUCTS- BPSCHERT (Continued) **1000350339**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	MILPITAS, CA 950350000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	UNDELIVERABLE SURVEY 1-25-95LH
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

B17 **SUN MICROSYSTEMS** **RCRA-SQG** **1000124245**
NNE **1421 CALIFORNIA CIRCLE** **FINDS** **CAD981578396**
< 1/8 **MILPITAS, CA 95035** **ECHO**
0.039 mi.
206 ft. **Site 5 of 6 in cluster B**

Relative: **Lower**
Actual: **8 ft.**

RCRA-SQG:

Date Form Received by Agency:	1996-09-01 00:00:00.0
Handler Name:	SUN MICROSYSTEMS
Handler Address:	1421 CALIFORNIA CIRCLE
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAD981578396
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	2
Mailing Address:	1421 CALIFORNIA CIRCLE
Mailing City,State,Zip:	MILPITAS, CA 95035
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

SUN MICROSYSTEMS (Continued) **1000124245**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:25:47.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CADILLAC FAIRVIEW
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SUN MICROSYSTEMS (Continued) **1000124245**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	SUN MICROSYSTEMS
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1986-11-19 00:00:00.0
Handler Name:	SUN MICROSYSTEMS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110006471521

Click Here:

Environmental Interest/Information System:

SUN MICROSYSTEMS (Continued) **1000124245**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000124245
Registry ID:	110006471521
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006471521
Name:	SUN MICROSYSTEMS
Address:	1421 CALIFORNIA CIRCLE
City,State,Zip:	MILPITAS, CA 95035

B18 **KZ KITCHEN - MILPITAS** **CUPA Listings** **S121738586**
NNE **1421 CALIFORNIA CL** **CERS** **N/A**
< 1/8 **MILPITAS, CA 95035**
0.039 mi.
206 ft. **Site 6 of 6 in cluster B**

Relative: **Lower**

Actual: **8 ft.**

CUPA SANTA CLARA:

Name:	KZ KITCHEN - MILPITAS
Address:	1421 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	Not reported
Program Description:	HMBP FACILITY, 1-3 CHEMICALS
Latitude:	37.449689
Longitude:	-121.92042
Record ID:	PR0430184
Facility ID:	FA0286834

CERS:

Name:	KZ KITCHEN - MILPITAS
Address:	1421 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Site ID:	108726
CERS ID:	10089721
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	108726
Site Name:	KZ Kitchen - Milpitas
Violation Date:	10/29/2013
Citation:	HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description:	Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 03/27/2014.
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

KZ KITCHEN - MILPITAS (Continued) **S121738586**

Site ID: 108726
Site Name: KZ Kitchen - Milpitas
Violation Date: 11/21/2016
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual Facility Review --
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual Facility Review --
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 108726
Site Name: KZ Kitchen - Milpitas
Site Address: 1421 CALIFORNIA CL
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 10-29-2013
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: Milpitas City Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 108726

KZ KITCHEN - MILPITAS (Continued) **S121738586**

Site Name:	KZ Kitchen - Milpitas
Site Address:	1421 CALIFORNIA CL
Site City:	MILPITAS
Site Zip:	95035
Enf Action Date:	11-21-2016
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:	Milpitas City Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Santa Clara County Environmental Health
Entity Title:	Not reported
Affiliation Address:	1555 Berger Drive, Suite 300
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95112-2716
Affiliation Phone:	(408) 918-3400

Affiliation Type Desc:	Document Preparer
Entity Name:	Johnny Kuang
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:	Legal Owner
Entity Name:	Zuqi Zhao
Entity Title:	Not reported
Affiliation Address:	1562 Montague Expressway
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95131
Affiliation Phone:	(408) 412-0725

Affiliation Type Desc:	Operator
Entity Name:	KZ Kitchen Cabinet and Stone
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:	(408) 412-0725

Affiliation Type Desc:	Environmental Contact
Entity Name:	Johnny Kuang
Entity Title:	Not reported
Affiliation Address:	1562 Montague Expressway

KZ KITCHEN - MILPITAS (Continued) **S121738586**

Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95131
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1562 Montague Expressway
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95131
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Johnny Kuang
Entity Title:	Asisstant 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:	Parent Corporation
Entity Name:	KZ Kitchen
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:	Zuqi Zhao
Entity Title:	Not reported
Affiliation Address:	1562 Montague Expressway
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95131
Affiliation Phone:	(408) 412-0725

C19 **IA 111313 SOLYNDRA** **CUPA Listings** **S121474091**
ESE **1210 CALIFORNIA CL** **N/A**
< 1/8 **MILPITAS, CA 95035**
0.115 mi.
608 ft. **Site 1 of 2 in cluster C**

Relative: CUPA SANTA CLARA:
Lower

Name:	IA 111313 SOLYNDRA
Address:	1210 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA

Actual:
9 ft.

IA 111313 SOLYNDRA (Continued) **S121474091**

PE#:	2206
Program Description:	GENERATES 5 TO <25 TONS/YR
Latitude:	37.44705
Longitude:	-121.916972
Record ID:	PR0387358
Facility ID:	FA0263006

C20 **1210 CALIFORNIA CIRCLE** **RCRA-SQG** **1011488133**
ESE **1210 CALIFORNIA CIR** **CAR000192757**
< 1/8 **MILPITAS, CA 95035**
0.115 mi.
608 ft. **Site 2 of 2 in cluster C**

Relative: RCRA-SQG:
Lower

Actual:
9 ft.

Date Form Received by Agency:	2013-08-27 00:00:00.0
Handler Name:	1210 CALIFORNIA CIRCLE
Handler Address:	1210 CALIFORNIA CIR
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAR000192757
Contact Name:	SHEBA Y CHALLENGER
Contact Address:	1 SANSOME ST
Contact City,State,Zip:	SAN FRANCISCO, CA 94104
Contact Telephone:	415-263-8626
Contact Fax:	415-367-2515
Contact Email:	SCHALLENGER@ISTARFINANCIAL.COM
Contact Title:	REGIONAL DIR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1 SANSOME ST
Mailing City,State,Zip:	SAN FRANCISCO, CA 94104
Owner Name:	ISTAR CTL I LP
Owner Type:	Private
Operator Name:	ISTAR CTL I LP
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---

1210 CALIFORNIA CIRCLE (Continued) **1011488133**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2013-09-09 13:29:57.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D006
Waste Description: CADMIUM

1210 CALIFORNIA CIRCLE (Continued) **1011488133**

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U112
Waste Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

1210 CALIFORNIA CIRCLE (Continued) **1011488133**

Waste Code: U239
Waste Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: ISTAR CTL I LP
Legal Status: Private
Date Became Current: 1996-06-27 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOLYNDRA, INC
Legal Status: Private
Date Became Current: 2008-05-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOLYNDRA, LLC
Legal Status: Private
Date Became Current: 2009-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: ONE SANSOME STREET, 30TH FLOOR
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94104
Owner/Operator Telephone: 415-828-2182
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ISTAR CTL I LP
Legal Status: Private
Date Became Current: 1996-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: ONE SANSOME ST
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94104
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ISTAR CTL 1, L.P. C/O ISTAR FINANCIAL I
Legal Status: Private
Date Became Current: 1996-01-01 00:00:00.
Date Ended Current: Not reported

1210 CALIFORNIA CIRCLE (Continued) **1011488133**

Owner/Operator Address:	ONE SANSOME STREET
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94104
Owner/Operator Telephone:	415-391-4300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ISTAR FINANCIAL INC.
Legal Status:	Private
Date Became Current:	1990-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ONE SANSOME STREET, 30TH FLOOR
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94104
Owner/Operator Telephone:	415-828-2182
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ISTAR CTL I L P C O ISTAR FINANCIAL INC
Legal Status:	Private
Date Became Current:	2001-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ONE SANSOME STREET
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94104
Owner/Operator Telephone:	415-391-4300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLYNDRA LLC
Legal Status:	Private
Date Became Current:	2011-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ISTAR CTL I LP
Legal Status:	Private
Date Became Current:	1996-06-27 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1114 AVE OF THE AMERICAS
Owner/Operator City,State,Zip:	NEW YORK, NY 10036
Owner/Operator Telephone:	212-930-9400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLYNDRA INC

1210 CALIFORNIA CIRCLE (Continued) **1011488133**

Legal Status:	Private
Date Became Current:	2008-05-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-06-08 00:00:00.0
Handler Name:	SOLYNDRA, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2012-03-09 00:00:00.0
Handler Name:	SOLYNDRA (B6)
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2008-06-02 00:00:00.0
Handler Name:	SOLYNDRA INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2011-03-28 00:00:00.0
Handler Name:	SOLYNDRA LLC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

1210 CALIFORNIA CIRCLE (Continued) **1011488133**

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	2013-08-27 00:00:00.0
Handler Name:	1210 CALIFORNIA CIRCLE
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334413
NAICS Description:	SEMICONDUCTOR AND RELATED DEVICE MANUFACTURING
NAICS Code:	53112
NAICS Description:	LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES)

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D21 **THAT INTEGRATED SYSTEM** **CERS HAZ WASTE** **S121776238**
SSE **505 FAIRVIEW WAY** **CERS** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.164 mi.
864 ft. **Site 1 of 6 in cluster D**

Relative:
Lower

Actual:
8 ft.

CERS HAZ WASTE:

Name:	THAT INTEGRATED SYSTEM
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Site ID:	403672
CERS ID:	10124770
CERS Description:	Hazardous Waste Onsite Treatment
Name:	THAT INTEGRATED SYSTEM
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Site ID:	403672
CERS ID:	10124770
CERS Description:	Hazardous Waste Generator

THAT INTEGRATED SYSTEM (Continued) **S121776238**

CERS:

Name:	THAT INTEGRATED SYSTEM
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Site ID:	403672
CERS ID:	10124770
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	9/12/2014
Citation:	HSC 6.5 25200.3(k) - California Health and Safety Code, Chapter 6.5, Section(s) 25200.3(k)
Violation Description:	Failure to submit to the CUPA and the Department an amended notification at least 30 days after a change has occurred.
Violation Notes:	Returned to compliance on 10/02/2014. Facility submitted on CERS on 2-3-2014 and identified process # 1 (aqueous wastes, hazardous solely due to inorganics... etc) as their treatment process. This is inaccurate and process # 9 should be identified (Neutralization of acidic or alkaline wastes in elementary neutralization units). RESUBMIT ON CERS.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	CA
Violation Source:	CERS

Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	9/12/2014
Citation:	22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description:	Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.
Violation Notes:	Returned to compliance on 10/02/2014. Facility has training records but not in sufficient detail to satisfy the large quantity generator requirements.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HW
Violation Source:	CERS

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	9/20/2016
Citation:	HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description:	Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to this chapter.
Violation Notes:	Returned to compliance on 09/28/2016. Per facility's pH chart recorder, a pH of 1.9 was discharged to the Publicly Owner Treatment Works (POTW). Duration of low pH (less than or equal to 2) discharge occurred for approximately 3 minutes. System has an average through-put of 1.88 gallons each minute resulting in an estimated 5.6 gallons of low pH discharged.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	8/1/2019
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 08/22/2019. The most recently electronically submitted site map on 3-13-2019 failed to include the following required elements: Adjacent streets locations of storm drains Hazardous materials handling location for mixed solvents
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	11/4/2016
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:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	9/12/2014
Citation:	22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description:	Failure to properly complete the Hazardous Waste manifest.
Violation Notes:	Returned to compliance on 10/02/2014. Observed a dozen of uniform hazardous waste manifests that failed to check box "9a" although a hazardous material was being shipped. Example: Manifest # 005186309FLE shipped on 3-21-13 (Waste Flammable Liquids, Corrosive).

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Violation Date: 11/4/2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Violation Date: 10/28/2013
Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 01/08/2014.
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Violation Date: 5/21/2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 06/18/2015.
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Violation Date: 8/1/2019
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description: Failure to properly complete the Uniform Hazardous Waste Manifest.
Violation Notes: Returned to compliance on 08/22/2019. The following uniform hazardous waste manifests were improperly completed: All manifests for past 2 years that include the "waste ammonium hydrogendifluoride solution" fail to include the RQ value for a D002 unlisted waste (RQ=D002=100 lbs). For examples of these manifests, see: Manifest # 019294443JJK on 1-28-2019. Manifest # 019294251JJK on 3-05-2019 49 CFR 172.203(c)(2): The letters G RQG must be entered on the shipping paper either before or after the basic description required by - 172.202.
Violation Division: Santa Clara County Environmental Health

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Violation Program:	HW
Violation Source:	CERS
Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	10/28/2013
Citation:	HSC 6.95 25510 - California Health and Safety Code, Chapter 6.95, Section(s) 25510
Violation Description:	Failure to update hazardous material inventory within 30 days when one of the following occurs: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 11/14/2013.
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	9/1/2016
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	Returned to compliance on 09/28/2016. Facility sends rinses containing hydrofluoric acid to the acid waste neutralization system. Determine whether or not the rinse contains regulated levels of fluoride salt. If performing a laboratory analysis, determine if TTLC result is at least 10 times the STLC limit in which case the STLC must be ran. Additionally facility uses a positive photo resist that appears to contain cresol (under the name of novolac resin) in regulated levels. Determine whether or not D026 needs to be added to the manifest and land disposal restrictions.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	403672
Site Name:	THAT INTEGRATED SYSTEM
Violation Date:	9/1/2016
Citation:	22 CCR 45 67450.3(c)(9)(F) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(F)
Violation Description:	Failure of generator to obtain assessment or reassessment every five (5) years or the remaining service life of the tank system, as stated in the engineer's assessment, whichever is less. This assessment applies to onground or aboveground tank systems containing only non-RCRA hazardous wastes generated onsite, and tank systems authorized under Permit-by-Rule, Conditional Authorization, and Conditional Exemption or for a small quantity generator onground or aboveground tank systems containing RCRA hazardous wastes generated onsite.
Violation Notes:	Returned to compliance on 09/28/2016. The last tank system assessment was performed on 3-12-10. Assessments must be performed every 5 years. Assessment should follow 66265.192(k)
Violation Division:	Santa Clara County Environmental Health
Violation Program:	CA

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Violation Source: CERS

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 06-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Annual Facility Review --
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-01-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility treats approximately 780gal/yr of that total is hazardous waste that is treated on-site. Facility meets CA tier eligibility and treats the following wastes: Concentrated corrosive baths (acids, caustics etc.) Spent rinse waters (Containing chemicals such as Hydrofluoric/sulfuric/hydrochloric acid, Hydrogen Peroxide etc.) Scrubber water Treatment system first receives the waste through piping that enters a holding tank that has redundant pumps that engage based on two different float levels and an annular space that is electronically monitored. Holding tank then pumps waste water to the first of 4 chamber acid waste neutralization system that has pH probes on each of the chambers. PH adjustment occurs in chambers 1-3. Acid waste neutralization system has high level alarm and annular space sensors. Alarm is relayed to annunciator in the cleanroom. System vulnerabilities: System does not currently have a reject mode that stops waste from entering POTW [Truncated]
Eval Division: Santa Clara County Environmental Health
Eval Program: CA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility generates approximately 700 kg/mo. 400 kg/mo of that total is hazardous waste that is treated on-site. Facility manages the following waste streams as hazardous waste: Oil/water from vacuum pump Hydrofluoric Acid Corrosive contaminated solids Oxide Etch (Potassium Hydroxide/IPA/Ethanol) Flammable contaminated solids Flammable Liquids (photo resist, acetone) Note: The following minor violations were corrected at time of inspection: 1x55 gal container of oil/water - no statement of hazard 1x5 gal container of Potassium Hydroxide/IPA/Ethanol - accumulation start date inaccurate (empty daily identified on marking but not emptied daily)
Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2016
Violations Found: Yes
Eval Type: Routine done by local agency

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Eval Notes:	Facility generates approximately 700 kg/mo. 400 kg/mo of that total is hazardous waste that is treated on-site. Facility meets CA tier eligibility and treats the following wastes: Concentrated corrosive baths (acids, caustics etc.) Spent rinse waters (Containing chemicals such as Hydrofluoric/sulfuric/hydrochloric acid, Hydrogen Peroxide etc.) Scrubber water Acid waste neutralization system has high level alarm and annular space sensors. Transfer/equalization tank also has an annular space sensor and a 2 pump redundancy system . Reviewed the following paperwork: Written Inspection Schedule & Log Written Operating instructions including waste treatment logs Records to demonstrate compliance with POTW Tank Assessment Closure Cost Estimate Phase 1 Environmental Assessment Note: The following minor violation was corrected at time of inspection: No waste treatment logs since 2014. Treatment record created and contents of the record provided.
Eval Division:	Santa Clara County Environmental Health
Eval Program:	CA
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-20-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	See limited inspection on PR0367916 on 9-20-16 for details.
Eval Division:	Santa Clara County Environmental Health
Eval Program:	CA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-21-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-01-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility generates approximately 2-3 tons of hazardous waste that is shipped off and approximately 3 tons/yr of treated waste. Facility manages the following waste streams as hazardous waste: Oil/water from vacuum pump Hydrofluoric Acid Corrosive contaminated solids Oxide Etch (Potassium Hydroxide/IPA/Ethanol) Flammable contaminated solids Flammable Liquids (photo resist, acetone) Reviewed documentation including: Uniform hazardous waste manifests Land disposal restrictions Training (documented) Weekly inspections (documented). Note: The following minor violations were corrected at time of inspection: 1x5 gal red step can containing solids contaminated with flammable liquids - marking illegible except for words hazardous waste and generator name. 1x5 gal yellow step can containing solids contaminated with corrosives - marking illegible except for words hazardous waste. 3x1 gal containers of "used acetone" - marking only with contents.
Eval Division:	Santa Clara County Environmental Health
Eval Program:	HW

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual Facility Review --
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-08-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspection is a follow up to the routine inspection dated 11/27/2017. All violations observed during that inspection were not corrected.
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual Facility Review --
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility most recently electronically submitted a Hazardous Materials Business Plan on 3-13-2019 (facility + inventory), and 12-10-2018 (plans). Reportable hazardous materials include: HF waste Forming gas Oxygen Argon Hydrogen Nitrogen Mixed solvent waste Sulfuric Acid Nitrogen (liquid) Propane Process water Sodium Hydroxide Property

THAT INTEGRATED SYSTEM (Continued) **S121776238**

owner notification letter dated 12-6-2017 was reviewed. HMBP/emergency response training was last dated 11-1-2018.
Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Reviewed the following paperwork: Written Operation Instructions Written Inspection Schedule & Log (via various routes of documents and spreadsheets) POTW Discharges Tank Assessment Closure Cost Estimate Tiered Permitting Information on CERS
Eval Division: Santa Clara County Environmental Health
Eval Program: CA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-20-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: On-site in response to recent discharge of hazardous waste to the Publicly Owned Treatment Works (POTW) on September 6th, 2016. Complaint Record : CO0142619 Per Vice President of Fab Operations, excursion occurred due to failure of an air compressor that aided in operating caustic pump. Without an operable caustic pump, system was not able to adjust pH upward.
Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Site Address: 505 FAIRVIEW WAY
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 05-21-2015
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: Milpitas City Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Site Address: 505 FAIRVIEW WAY
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 09-12-2014
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: Santa Clara County Environmental Health
Enf Action Program: CA

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Enf Action Source: CERS

Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Site Address: 505 FAIRVIEW WAY
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 09-12-2014
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: Santa Clara County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Site Address: 505 FAIRVIEW WAY
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 10-28-2013
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: Milpitas City Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 403672
Site Name: THAT INTEGRATED SYSTEM
Site Address: 505 FAIRVIEW WAY
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 11-04-2016
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: Milpitas City Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 403672
Facility Name: THAT INTEGRATED SYSTEM
Env Int Type Code: HMBP
Program ID: 10124770
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 37.445713
Longitude: -121.918174

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: THAT Corporation
Entity Title: Not reported
Affiliation Address: Not reported

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Richard Thornton
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:	Onsite Treatment Unit Owner Operator
Entity Name:	Richard Thornton
Entity Title:	VP fab operations
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:	Operator
Entity Name:	THAT Corporation
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:	(508) 478-9200
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	45 SUMMER ST
Affiliation City:	MILFORD
Affiliation State:	MA
Affiliation Country:	Not reported
Affiliation Zip:	01757
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Richard Thornton
Entity Title:	VP fab operations
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:	CUPA District

THAT INTEGRATED SYSTEM (Continued) **S121776238**

Entity Name:	Santa Clara County Environmental Health
Entity Title:	Not reported
Affiliation Address:	1555 Berger Drive, Suite 300
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95112-2716
Affiliation Phone:	(408) 918-3400
Affiliation Type Desc:	Environmental Contact
Entity Name:	Richard Thornton
Entity Title:	Not reported
Affiliation Address:	505 Fairview Way
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	THAT Corporation
Entity Title:	Not reported
Affiliation Address:	45 SUMMER ST
Affiliation City:	MILFORD
Affiliation State:	MA
Affiliation Country:	United States
Affiliation Zip:	01757
Affiliation Phone:	(508) 478-9200

D22 **THAT CORP** **RCRA-SQG** **1001815554**
SSE **495 FAIRVIEW WY** **ENVIROSTOR** **CAR000056739**
1/8-1/4 **MILPITAS, CA 95035** **FINDS**
0.166 mi. **ECHO**
879 ft. **Site 2 of 6 in cluster D** **CUPA Listings**
EMI
Relative: **NPDES**
Lower **CIWQS**

Actual:
8 ft.

RCRA-SQG:

Date Form Received by Agency:	1999-09-21 00:00:00.0
Handler Name:	THAT CORP
Handler Address:	495 FAIRVIEW WY
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAR000056739
Contact Name:	RAMESH MARGSAHAYAM
Contact Address:	45 SUMNER ST
Contact City,State,Zip:	MILFORD, MA 01757-1656
Contact Telephone:	408-586-8428
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported

THAT CORP (Continued) **1001815554**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	45 SUMNER ST
Mailing City,State,Zip:	MILFORD, MA 01757-1656
Owner Name:	THAT CORP
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-10-07 16:37:02.0

THAT CORP (Continued) **1001815554**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THAT CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	45 SUMNER ST
Owner/Operator City,State,Zip:	MILFORD, MA 01757-1656
Owner/Operator Telephone:	508-478-9200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1999-09-21 00:00:00.0
Handler Name:	THAT CORP
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

THAT CORP (Continued) **1001815554**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ENVIROSTOR:

Name:	THAT CORPORATION INTEGRATED SYSTEMS
Address:	495 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Facility ID:	71003703
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Berkeley
Assembly:	25
Senate:	10
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.44532
Longitude:	-121.9187
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAR000056739
Alias Type:	EPA Identification Number
Alias Name:	110002930008
Alias Type:	EPA (FRS #)
Alias Name:	71003703
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

THAT CORP (Continued) **1001815554**

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

FINDS:
Registry ID: 110002930008

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
HAZARDOUS AIR POLLUTANT MAJOR
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001815554
Registry ID: 110002930008
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002930008
Name: THAT CORP
Address: 495 FAIRVIEW WY
City,State,Zip: MILPITAS, CA 95035

CUPA SANTA CLARA:
Name: THAT INTEGRATED SYSTEM
Address: 505 FAIRVIEW WY
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Latitude: 37.445614
Longitude: -121.9174
Record ID: PR0367916
Facility ID: FA0252732

Name: THAT INTEGRATED SYSTEM
Address: 505 FAIRVIEW WY
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: 2262
Program Description: CONDITIONALLY AUTHORIZED (CA)
Latitude: 37.445614

THAT CORP (Continued) **1001815554**

Longitude: -121.9174
Record ID: PR0368080
Facility ID: FA0252732

Name: THAT INTEGRATED SYSTEM
Address: 505 FAIRVIEW WY
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: Not reported
Program Description: HMBP FACILITY, 10-15 CHEMICALS
Latitude: 37.445614
Longitude: -121.9174
Record ID: PR0385045
Facility ID: FA0252732

EMI:

Name: THAT CORPORATION
Address: 495 FAIRVIEW WAY
City,State,Zip: MILPITAS, CA 950350000
Year: 1998
County Code: 43
Air Basin: SF
Facility ID: 4104
Air District Name: BA
SIC Code: 3674
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: THAT CORPORATION
Address: 495 FAIRVIEW WAY
City,State,Zip: MILPITAS, CA 950350000
Year: 1999
County Code: 43
Air Basin: SF
Facility ID: 4104
Air District Name: BA
SIC Code: 3674
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: THAT CORPORATION

THAT CORP (Continued) **1001815554**

Address:	495 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 950350000
Year:	2000
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THAT CORPORATION
Address:	495 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 950350000
Year:	2001
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THAT CORPORATION
Address:	495 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 950350000
Year:	2002
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

THAT CORP (Continued) **1001815554**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	THAT CORPORATION
Address:	495 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 950350000
Year:	2003
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THAT CORPORATION
Address:	495 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 950350000
Year:	2004
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.441
Reactive Organic Gases Tons/Yr:	0.3373644
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000505

Name:	THAT CORPORATION
Address:	495 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 950350000
Year:	2005
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.836
Reactive Organic Gases Tons/Yr:	.6295351
Carbon Monoxide Emissions Tons/Yr:	0

THAT CORP (Continued) **1001815554**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .002
Part. Matter 10 Micrometers and Smllr Tons/Yr: .00101

Name: THAT CORPORATION
Address: 505 FAIRVIEW WAY
City,State,Zip: MILPITAS, CA
Year: 2006
County Code: 43
Air Basin: SF
Facility ID: 4104
Air District Name: BA
SIC Code: 3674
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .623
Reactive Organic Gases Tons/Yr: .4755892
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .002
Part. Matter 10 Micrometers and Smllr Tons/Yr: .00101

Name: THAT CORPORATION
Address: 505 FAIRVIEW WAY
City,State,Zip: MILPITAS, CA 0
Year: 2007
County Code: 43
Air Basin: SF
Facility ID: 4104
Air District Name: BA
SIC Code: 3674
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .834
Reactive Organic Gases Tons/Yr: .6278741
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .001
Part. Matter 10 Micrometers and Smllr Tons/Yr: .000505

Name: THAT CORPORATION
Address: 505 FAIRVIEW WAY
City,State,Zip: MILPITAS, CA 95035
Year: 2008
County Code: 43
Air Basin: SF
Facility ID: 4104
Air District Name: BA
SIC Code: 3674
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

THAT CORP (Continued) **1001815554**

Total Organic Hydrocarbon Gases Tons/Yr:	.73
Reactive Organic Gases Tons/Yr:	.5520541
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000505

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2009
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.42999999999999999
Reactive Organic Gases Tons/Yr:	0.33139449999999998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.0500000000000002E-4

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2010
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.59999999999999998
Reactive Organic Gases Tons/Yr:	0.46334649999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.0500000000000002E-4

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2011
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674

THAT CORP (Continued) **1001815554**

Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.687
Reactive Organic Gases Tons/Yr:	0.5222781
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2012
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.255
Reactive Organic Gases Tons/Yr:	0.1956857
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0019801980198
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2013
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.278
Reactive Organic Gases Tons/Yr:	0.2309475
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2014
County Code:	43
Air Basin:	SF

THAT CORP (Continued) **1001815554**

Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.27908194
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.000762852
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000533997

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2015
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.3438442
Reactive Organic Gases Tons/Yr:	0.26072678
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00090497
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000633479

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2016
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.346799175
Reactive Organic Gases Tons/Yr:	0.28819011442
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.001090053
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000763037

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035

THAT CORP (Continued) **1001815554**

Year:	2017
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.333539023
Reactive Organic Gases Tons/Yr:	0.27717092811
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.000997957
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00069857

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Year:	2018
County Code:	43
Air Basin:	SF
Facility ID:	4104
Air District Name:	BA
SIC Code:	3674
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.464721925
Reactive Organic Gases Tons/Yr:	0.38618391967
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.001115596
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000780917

NPDES:

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 43NEC000302
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported

THAT CORP (Continued) **1001815554**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	08/10/2015
Operator Name:	THAT Corporation
Operator Address:	505 Fairview Way
Operator City:	Milpitas
Operator State:	California
Operator Zip:	95035

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	459686
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 43NEC000302
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/10/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	THAT Corporation
Discharge Address:	505 Fairview Way
Discharge City:	Milpitas
Discharge State:	California
Discharge Zip:	95035
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported

THAT CORP (Continued) **1001815554**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	459686
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 43NEC000302
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/05/2015
Processed Date:	08/10/2015
Status:	Active
Status Date:	08/10/2015
Place Size:	8000
Place Size Unit:	SqFt
Contact:	Richard Thornton
Contact Title:	Not reported

THAT CORP (Continued) **1001815554**

Contact Phone:	408-586-8428
Contact Phone Ext:	Not reported
Contact Email:	ret@thatcorp.com
Operator Name:	THAT Corporation
Operator Address:	505 Fairview Way
Operator City:	Milpitas
Operator State:	California
Operator Zip:	95035
Operator Contact:	Richard Thornton
Operator Contact Title:	Not reported
Operator Contact Phone:	408-586-8428
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ret@thatcorp.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Richard Thornton
Certifier Title:	Vp Fab Operations
Certification Date:	09-SEP-16
Primary Sic:	3674-Semiconductors and Related Devices
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	THAT CORPORATION
Address:	505 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0

THAT CORP (Continued) **1001815554**

Regulatory Measure ID:	459686
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 43NEC000302
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/10/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	505 Fairview Way
Discharge Name:	THAT Corporation
Discharge City:	Milpitas
Discharge State:	California
Discharge Zip:	95035
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	459686
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 43NEC000302
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/10/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	THAT Corporation
Discharge Address:	505 Fairview Way
Discharge City:	Milpitas
Discharge State:	California
Discharge Zip:	95035
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported

THAT CORP (Continued) **1001815554**

Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	459686
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 43NEC000302
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported

THAT CORP (Continued) **1001815554**

Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/05/2015
Processed Date:	08/10/2015
Status:	Active
Status Date:	08/10/2015
Place Size:	8000
Place Size Unit:	SqFt
Contact:	Richard Thornton
Contact Title:	Not reported
Contact Phone:	408-586-8428
Contact Phone Ext:	Not reported
Contact Email:	ret@thatcorp.com
Operator Name:	THAT Corporation
Operator Address:	505 Fairview Way
Operator City:	Milpitas
Operator State:	California
Operator Zip:	95035
Operator Contact:	Richard Thornton
Operator Contact Title:	Not reported
Operator Contact Phone:	408-586-8428
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ret@thatcorp.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Richard Thornton
Certifier Title:	Vp Fab Operations
Certification Date:	09-SEP-16

THAT CORP (Continued) **1001815554**

Primary Sic: 3674-Semiconductors and Related Devices
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:
Name: THAT CORPORATION
Address: 505 FAIRVIEW WAY
City,State,Zip: MILPITAS, CA 95035
Agency: THAT Corporation
Agency Address: 505 Fairview Way, Milpitas, CA 95035
Place/Project Type: Industrial - Semiconductors and Related Devices
SIC/NAICS: 3674
Region: 2
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 43NEC000302
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 08/10/2015
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 37.44571
Longitude: -121.91818

D23 **SIPEX CORP** **CUPA Listings** **S121471566**
SSE **491 FAIRVIEW WY** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.167 mi.
883 ft. **Site 3 of 6 in cluster D**

Relative: **Lower**
Actual: **8 ft.**

CUPA SANTA CLARA:
Name: SIPEX CORP
Address: 491 FAIRVIEW WY
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: 2206
Program Description: GENERATES 5 TO <25 TONS/YR
Latitude: 37.44562
Longitude: -121.917359
Record ID: PR0360468
Facility ID: FA0250182

D24 **SOLEXIR TECHNOLOGY CORP** **RCRA-LQG** **1016674906**
SE **509 FAIRVIEW WAY** **FINDS** **CAR000245126**
1/8-1/4 **MILPITAS, CA 95035** **ECHO**
0.167 mi.
884 ft. **Site 4 of 6 in cluster D**

Relative:
Lower

Actual:
8 ft.

RCRA-LQG:

Date Form Received by Agency:	2014-04-10 00:00:00.0
Handler Name:	SOLEXIR TECHNOLOGY CORP
Handler Address:	509 FAIRVIEW WAY
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAR000245126
Contact Name:	MAHMOOD TOOFAN
Contact Address:	509 FAIRVIEW WAY
Contact City,State,Zip:	MILPITAS, CA 95035
Contact Telephone:	408-768-7773
Contact Fax:	Not reported
Contact Email:	MAHMOOD.TOOFAN@SOLEXIR.COM
Contact Title:	CTO
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	509 FAIRVIEW WAY
Mailing City,State,Zip:	MILPITAS, CA 95035
Owner Name:	DR MAHMOOD TOOFAN
Owner Type:	Private
Operator Name:	SOLEXIR TECHNOLOGY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

SOLEXIR TECHNOLOGY CORP (Continued) **1016674906**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2014-04-17 17:36:38.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DR MAHMOOD TOOFAN
Legal Status:	Private
Date Became Current:	2011-08-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	509 FAIRVIEW WAY
Owner/Operator City,State,Zip:	MILPITAS, CA 95035
Owner/Operator Telephone:	408-768-7773
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLEXIR TECHNOLOGY
Legal Status:	Private
Date Became Current:	1985-01-01 00:00:00.

SOLEXIR TECHNOLOGY CORP (Continued) **1016674906**

Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2014-04-10 00:00:00.0
Handler Name:	SOLEXIR TECHNOLOGY CORP
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	325180
NAICS Description:	OTHER BASIC INORGANIC CHEMICAL MANUFACTURING
NAICS Code:	325199
NAICS Description:	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110059663902

Click Here:

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with

SOLEXIR TECHNOLOGY CORP (Continued) **1016674906**

a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016674906
Registry ID:	110059663902
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110059663902
Name:	SOLEXIR TECHNOLOGY CORP
Address:	509 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035

D25 **SOLEXIR TECHNOLOGY CORPORATION** **CERS HAZ WASTE** **S121775877**
SE **509 FAIRVIEW WAY** **CERS** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.167 mi.
884 ft. **Site 5 of 6 in cluster D**

Relative: **Lower**

Actual: **8 ft.**

CERS HAZ WASTE:

Name:	SOLEXIR TECHNOLOGY CORPORATION
Address:	509 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Site ID:	402455
CERS ID:	10488940
CERS Description:	Hazardous Waste Onsite Treatment

Name:	SOLEXIR TECHNOLOGY CORPORATION
Address:	509 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Site ID:	402455
CERS ID:	10488940
CERS Description:	Hazardous Waste Generator

CERS:

Name:	SOLEXIR TECHNOLOGY CORPORATION
Address:	509 FAIRVIEW WAY
City,State,Zip:	MILPITAS, CA 95035
Site ID:	402455
CERS ID:	10488940
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	3/15/2016
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the

SOLEXIR TECHNOLOGY CORPORATION (Continued) **S121775877**

	quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	7/25/2017
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	1/16/2018
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	5/2/2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/31/2016.
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	1/16/2018
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

SOLEXIR TECHNOLOGY CORPORATION (Continued) **S121775877**

Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	7/25/2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	3/15/2016
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:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	7/25/2017
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:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402455
Site Name:	Solexir Technology Corporation
Violation Date:	3/15/2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95,

SOLEXIR TECHNOLOGY CORPORATION (Continued) **S121775877**

Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402455
Site Name: Solexir Technology Corporation
Violation Date: 7/25/2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility generates small amounts of hazardous waste primarily from analytical lab. Waste is treated via pH adjustment on-site prior to discharge to POTW. Since operation began in 2015/2016, facility reported that no hazardous waste has been shipped off-site.
Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-02-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspection is a follow up to the routine inspection dated 03/15/2016. All violations observed during that inspection were not corrected.
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-16-2018
Violations Found: Yes

SOLEXIR TECHNOLOGY CORPORATION (Continued) **S121775877**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 07/25/2017. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility treats low and high pHs via pH adjustment. Largest hazardous waste stream consists of a 1% nitric acid waste stream from the Inductively Coupled Plasma Mass Spectrometry (CPMS) that analyzes constituents in DI water. Additional waste may come from the rinsing of sodium hydroxide residue from beakers. Majority of waste that enters treatment system has a pH above 2 or less than 12.5. Estimated that facility treats no more than 55 gallons of hazardous waste. Waste flows from sink to a lift station that then sends waste to the acid waste neutralization(AWN) system. This system consists of a primary receiving compartmented and pH monitored tank where treatment occurs and a second tank pH monitored for discharge to POTW. Probes are checked weekly, and W-2 systems performs calibration of the system (flow and probes) every 3 months. Reviewed the following records: Written Inspection schedule & log Treatment Records Original Treatment Notification
Eval Division:	Santa Clara County Environmental Health
Eval Program:	CE
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-12-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On-site to perform a permit investigation. Facility mixes chemicals for use in various industries including Semi-conductor, Lithium Battery, Solar, and Hard Disc Drive industry. Small amounts of hazardous waste are generated from quality analysis/quality control lab, usually consisting of small beakers of caustic samples. Hazardous waste and other non hazardous waste is poured to a sink that is directly plumbed to a waste neutralization tank. Facility estimates less than 55 gallons a month of hazardous waste is treated in the system. The facility will be required to obtain a hazardous waste generator permit and a hazardous waste treatment permit (under CESQT).
Eval Division:	Santa Clara County Environmental Health
Eval Program:	HW
Eval Source:	CERS

SOLEXIR TECHNOLOGY CORPORATION (Continued) **S121775877**

Enforcement Action:

Site ID:	402455
Site Name:	Solexir Technology Corporation
Site Address:	509 FAIRVIEW WAY
Site City:	MILPITAS
Site Zip:	95035
Enf Action Date:	07-25-2017
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:	Milpitas City Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	402455
Facility Name:	Solexir Technology Corporation
Env Int Type Code:	HMBP
Program ID:	10488940
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	37.445740
Longitude:	-121.917960

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mehzad Toofan
Entity Title:	Not reported
Affiliation Address:	509 Fairview Way
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Santa Clara County Environmental Health
Entity Title:	Not reported
Affiliation Address:	1555 Berger Drive, Suite 300
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95112-2716
Affiliation Phone:	(408) 918-3400

Affiliation Type Desc:	Identification Signer
Entity Name:	Mehzad Toofan
Entity Title:	VP of Operations
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

SOLEXIR TECHNOLOGY CORPORATION (Continued) **S121775877**

Entity Name:	Mahmood Toofan
Entity Title:	Not reported
Affiliation Address:	509 Fairview Way
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95035
Affiliation Phone:	(408) 768-7773
Affiliation Type Desc:	Operator
Entity Name:	Mahmood Toofan
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:	(408) 768-7773
Affiliation Type Desc:	Document Preparer
Entity Name:	Mehzad Toofan
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:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	509 Fairview Way
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	Not reported
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Edward Sawicki
Entity Title:	Consultant
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:	Parent Corporation
Entity Name:	Solexir Technology Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

SOLEXIR TECHNOLOGY CORPORATION (Continued) **S121775877**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Dr. Mahmood Toofan
Entity Title:	Not reported
Affiliation Address:	509 Faiview Way
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95035
Affiliation Phone:	(408) 768-7773

D26 **SOLEXIR TECHNOLOGY** **CUPA Listings** **S118585244**
SE **509 FAIRVIEW WY** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.167 mi.
884 ft. **Site 6 of 6 in cluster D**

Relative: **Lower**

Actual: **8 ft.**

CUPA SANTA CLARA:

Name:	SOLEXIR TECHNOLOGY
Address:	509 FAIRVIEW WY
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	Not reported
Program Description:	HMBP FACILITY, 22+ CHEMICALS
Latitude:	37.445739
Longitude:	-121.917965
Record ID:	PR0420080
Facility ID:	FA0277979

Name:	SOLEXIR TECHNOLOGY
Address:	509 FAIRVIEW WY
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2205
Program Description:	GENERATES 100 KG YR TO <5 TONS/YR
Latitude:	37.445739
Longitude:	-121.917965
Record ID:	PR0423691
Facility ID:	FA0277979

Name:	SOLEXIR TECHNOLOGY
Address:	509 FAIRVIEW WY
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2263
Program Description:	CONDITIONALLY EXEMPT (CE)
Latitude:	37.445739
Longitude:	-121.917965
Record ID:	PR0423692
Facility ID:	FA0277979

E27
South
1/8-1/4
0.171 mi.
904 ft.

CUMMINS ELECTRIFIED POWER NA INC.
1181 CADILLAC CT
MILPITAS, CA 95035

Site 1 of 7 in cluster E

CERS HAZ WASTE
CERS

S121779048
N/A

Relative:
Lower

Actual:
10 ft.

CERS HAZ WASTE:

Name:	CUMMINS ELECTRIFIED POWER NA INC.
Address:	1181 CADILLAC CT
City,State,Zip:	MILPITAS, CA 95035
Site ID:	414283
CERS ID:	10719211
CERS Description:	Hazardous Waste Generator

CERS:

Name:	CUMMINS ELECTRIFIED POWER NA INC.
Address:	1181 CADILLAC CT
City,State,Zip:	MILPITAS, CA 95035
Site ID:	414283
CERS ID:	10719211
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	414283
Site Name:	Cummins Electrified Power NA Inc.
Violation Date:	11/8/2017
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 12/11/2017.
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	414283
Site Name:	Cummins Electrified Power NA Inc.
Violation Date:	11/8/2017
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 12/11/2017.
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	414283
Site Name:	Cummins Electrified Power NA Inc.
Violation Date:	11/8/2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable

CUMMINS ELECTRIFIED POWER NA INC. (Continued) **S121779048**

quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 414283
Site Name: Cummins Electrified Power NA Inc.
Violation Date: 12/11/2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 414283
Site Name: Cummins Electrified Power NA Inc.
Violation Date: 11/8/2017
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes: Returned to compliance on 12/11/2017.
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility performs prototyping and conversion of large vehicles into hybrids or fully electric vehicles. On occasion, conventional vehicles being received for conversion may contain automotive fluids and require draining. Facility generates waste streams including but not limited to: Used oil - Collected as hazardous waste, not yet disposed. Used coolant - Collected as hazardous waste, not yet disposed. Soldering waste - Manage as scrap metal or hazardous waste, not yet disposed. metal grinding and turnings - Manage as hazardous waste or perform laboratory testing prior to disposal. metal contaminated water/coolant waste from plasma CNC - Waste not disposed of yet. Manage as hazardous waste or perform laboratory testing prior to disposal. CAL000402233 is active. No disposal has yet occurred of hazardous waste. Facility is eligible to participate in the County's hazardous waste disposal program for small businesses; to participate

CUMMINS ELECTRIFIED POWER NA INC. (Continued) **S121779048**

	go to HHW.ORG. MINOR [Truncated]
Eval Division:	Santa Clara County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site with Michelle Santos to perform a permit investigation. The facility reported an active EPA ID number, but did not seek a Hazardous Waste permit with our office. The facility converts large vehicles into hybrids. After performing a walk through with Mr. Gibson, the following waste was observed: Used Oil - 1x55gal steel drum Used Coolant - 1x55gal steel drum Notes: During the inspection, Mr. Gibson stated the drums have not reached half their capacity after 2 years of operation.
Eval Division:	Santa Clara County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-11-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/08/2017. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	414283
Site Name:	Cummins Electrified Power NA Inc.
Site Address:	1181 CADILLAC CT
Site City:	MILPITAS
Site Zip:	95035
Enf Action Date:	11-08-2017
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:	Milpitas City Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	414283

CUMMINS ELECTRIFIED POWER NA INC. (Continued) **S121779048**

Facility Name: Cummins Electrified Power NA Inc.
Env Int Type Code: HMBP
Program ID: 10719211
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 37.445220
Longitude: -121.918950

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Entity Title: Not reported
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400

Affiliation Type Desc: Environmental Contact
Entity Name: Jason Phillips
Entity Title: Not reported
Affiliation Address: 1181 Cadillac Court
Affiliation City: Milpitas
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95035
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Joerg Ferchau
Entity Title: Not reported
Affiliation Address: joerg.ferchau@cummins.com
Affiliation City: Milpitas
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95035
Affiliation Phone: (408) 273-3540

Affiliation Type Desc: Operator
Entity Name: Cummins Electrified Power NA Inc
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: (408) 273-3540

Affiliation Type Desc: Parent Corporation
Entity Name: EDI Headquarters
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

CUMMINS ELECTRIFIED POWER NA INC. (Continued) **S121779048**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Jason Phillips
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:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1181 Cadillac Court
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jason Phillips
Entity Title:	Facilites Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E28 **CUMMINS ELECTRIFIED POWER NA INC** **RCRA NonGen / NLR** **1025872876**
South **1181 CADILLAC CT** **CAL000446000**
1/8-1/4 **MILPAS, CA 95035**
0.171 mi.
904 ft. **Site 2 of 7 in cluster E**

Relative: **Lower**

Actual: **10 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2019-05-15 00:00:00.0
Handler Name:	CUMMINS ELECTRIFIED POWER NA INC
Handler Address:	1181 CADILLAC CT
Handler City,State,Zip:	MILPAS, CA 95035
EPA ID:	CAL000446000
Contact Name:	JASMINE POWELL
Contact Address:	10 SEA CREST TERRACE
Contact City,State,Zip:	FREMONT, CA 95035
Contact Telephone:	408-273-3540
Contact Fax:	Not reported
Contact Email:	J.POWELL@CUMMINS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported

CUMMINS ELECTRIFIED POWER NA INC (Continued) **1025872876**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1181 CADILLAC CT
Mailing City,State,Zip:	MILPAS, CA 95035
Owner Name:	JOERG FERCHAU
Owner Type:	Other
Operator Name:	JASMINE POWELL
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	Yes
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-28 17:27:12.0

CUMMINS ELECTRIFIED POWER NA INC (Continued) **1025872876**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOERG FERCHAU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1825 SHADY HOLLOW DR
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-605-6235
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JASMINE POWELL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10 SEA CREST TERRACE
Owner/Operator City,State,Zip:	FREMONT, CA 95035
Owner/Operator Telephone:	408-273-3540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-05-15 00:00:00.0
Handler Name:	CUMMINS ELECTRIFIED POWER NA INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	339999
NAICS Description:	ALL OTHER MISCELLANEOUS MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

CUMMINS ELECTRIFIED POWER NA INC (Continued) **1025872876**

Evaluation Action Summary:
Evaluations: No Evaluations Found

E29 **ASEPCO** **CERS HAZ WASTE** **S124440777**
South **1161 CADILLAC CT** **CERS** **N/A**
1/8-1/4 **MILPITAS, CA 95035** **HWTS**
0.171 mi.
904 ft. **Site 3 of 7 in cluster E**

Relative:
Lower

Actual:
10 ft.

CERS HAZ WASTE:
Name: ASEPCO
Address: 1161 CADILLAC CT
City,State,Zip: MILPITAS, CA 95035
Site ID: 548113
CERS ID: 10808608
CERS Description: Hazardous Waste Generator

CERS:
Name: ASEPCO
Address: 1161 CADILLAC CT
City,State,Zip: MILPITAS, CA 95035
Site ID: 548113
CERS ID: 10808608
CERS Description: Chemical Storage Facilities

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Monique Schoonbrood
Entity Title: QHSE Controller
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: Parent Corporation
Entity Name: ASEPCO, Inc.
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: Monique Schoonbrood
Entity Title: Not reported
Affiliation Address: 1161 Cadillac Ct
Affiliation City: Milpitas
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95035
Affiliation Phone: Not reported

ASEPCO (Continued) **S124440777**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1161 Cadillac Ct
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Celeste Medina-Ontiveros
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:	CUPA District
Entity Name:	Santa Clara County Environmental Health
Entity Title:	Not reported
Affiliation Address:	1555 Berger Drive, Suite 300
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95112-2716
Affiliation Phone:	(408) 918-3400

Affiliation Type Desc:	Legal Owner
Entity Name:	ASEPCO, Inc.
Entity Title:	Not reported
Affiliation Address:	1161 Cadillac Ct
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95035
Affiliation Phone:	(650) 691-9500

Affiliation Type Desc:	Operator
Entity Name:	ASEPCO, Inc.
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:	(650) 691-9500

Affiliation Type Desc:	Property Owner
Entity Name:	PS Business Parks, Inc.
Entity Title:	Not reported
Affiliation Address:	2316 Walsh Avenue
Affiliation City:	Santa Clara
Affiliation State:	CA
Affiliation Country:	United States

ASEPCO (Continued) **S124440777**

Affiliation Zip: 95051
Affiliation Phone: (408) 453-9921

HWTS:
Name: ASEPCO
Address: 1161 CADILLAC CT
Address 2: Not reported
City,State,Zip: MILPITAS, CA 95035
EPA ID: CAL000446900
Inactive Date: Not reported
Create Date: 06/25/2019
Last Act Date: 08/28/2020
Mailing Name: MONIQUE SCHOONBROOD
Mailing Address: 1161 CADILLAC COURT
Mailing Address 2: Not reported
Mailing City,State,Zip: MILPITAS, CA 95035
Owner Name: WATSON MARLOW INC
Owner Address: 37 UPTON TECHNOLOGY PARK
Owner Address 2: Not reported
Owner City,State,Zip: WILMINGTON, MA 01887
Contact Name: MONIQUE SCHOONBROOD
Contact Address: 1161 CADILLAC COURT
Contact Address 2: Not reported
City,State,Zip: MILPITAS, CA 95035

NAICS:
EPA ID: CAL000446900
Create Date: 2019-06-25 08:37:56.973
NAICS Code: 332911
NAICS Description: Industrial Valve Manufacturing
Issued EPA ID Date: 2019-06-25 08:37:56.95700
Inactive Date: Not reported
Facility Name: ASEPCO
Facility Address: 1161 CADILLAC CT
Facility Address 2: Not reported
Facility City: MILPITAS
Facility County: Not reported
Facility State: CA
Facility Zip: 95035

E30 **EFFICIENT DRIVETRAINS INC** **RCRA NonGen / NLR** **1024847411**
South **1181 CADILLAC CT** **CAL000402233**
1/8-1/4 **MILPITAS, CA 95035**
0.171 mi.
904 ft. **Site 4 of 7 in cluster E**

Relative:
Lower

Actual:
10 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2014-11-13 00:00:00.0
Handler Name: EFFICIENT DRIVETRAINS INC
Handler Address: 1181 CADILLAC CT
Handler City,State,Zip: MILPITAS, CA 95035
EPA ID: CAL000402233
Contact Name: DANA MORTON
Contact Address: 1181 CADILLAC CT
Contact City,State,Zip: MILPITAS, CA 95035
Contact Telephone: 408-624-1231

EFFICIENT DRIVETRAINS INC (Continued) **1024847411**

Contact Fax:	Not reported
Contact Email:	DKELLEY@EFFICIENTDRIVETRAINS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1181 CADILLAC CT
Mailing City,State,Zip:	MILPITAS, CA 95035
Owner Name:	JOERG FERCHAU
Owner Type:	Other
Operator Name:	DANA MORTON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A

EFFICIENT DRIVETRAINS INC (Continued) **1024847411**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:05:21.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DANA MORTON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1181 CADILLAC CT
Owner/Operator City,State,Zip:	MILPITAS, CA 95035
Owner/Operator Telephone:	408-624-1231
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOERG FERCHAU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1181 CADILLAC CT
Owner/Operator City,State,Zip:	MILPITAS, CA 95035
Owner/Operator Telephone:	408-624-1231
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2014-11-13 00:00:00.0
Handler Name:	EFFICIENT DRIVETRAINS INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

EFFICIENT DRIVETRAINS INC (Continued) **1024847411**

List of NAICS Codes and Descriptions:
NAICS Code: 54133
NAICS Description: ENGINEERING SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E31 **ASEPCO** **RCRA NonGen / NLR** **1025873773**
South **1161 CADILLAC CT** **CAL000446900**
1/8-1/4 **MILPITAS, CA 95035**
0.171 mi.
904 ft. **Site 5 of 7 in cluster E**

Relative: **Lower**
Actual: **10 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2019-06-25 00:00:00.0
Handler Name:	ASEPCO
Handler Address:	1161 CADILLAC CT
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAL000446900
Contact Name:	MONIQUE SCHOONBROOD
Contact Address:	1161 CADILLAC CT
Contact City,State,Zip:	MILPITAS, CA 95035
Contact Telephone:	650-691-9500
Contact Fax:	650-691-9600
Contact Email:	MONIQUE.SCHOONBROOD@WMFTG.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1161 CADILLAC CT
Mailing City,State,Zip:	MILPITAS, CA 95035
Owner Name:	WATSON MARLOW INC
Owner Type:	Other
Operator Name:	MONIQUE SCHOONBROOD
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes

ASEPCO (Continued) **1025873773**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-07-29 17:13:57.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONIQUE SCHOONBROOD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1161 CADILLAC CT
Owner/Operator City,State,Zip:	MILPITAS, CA 95035
Owner/Operator Telephone:	650-691-9500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

ASEPCO (Continued) **1025873773**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: WATSON MARLOW INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 37 UPTON TECHNOLOGY PARK
Owner/Operator City,State,Zip: WILMINGTON, MA 01887
Owner/Operator Telephone: 800-282-8823
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2019-06-25 00:00:00.0
Handler Name: ASEPCO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332911
NAICS Description: INDUSTRIAL VALVE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E32 **SAINT-GOBAIN QUARTZ** **ENVIROSTOR** **S103624791**
South **1181 CADILLAC COURT** **CUPA Listings** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.171 mi.
904 ft. **Site 6 of 7 in cluster E**

Relative: **Lower**
Actual: **10 ft.**

ENVIROSTOR:
Name: SAINT-GOBAIN QUARTZ
Address: 1181 CADILLAC COURT
City,State,Zip: MILPITAS, CA 95035
Facility ID: 71003684
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported

SAINT-GOBAIN QUARTZ (Continued) **S103624791**

NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Berkeley
Assembly: 25
Senate: 10
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.44512
Longitude: -121.9197
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000183323
Alias Type: EPA Identification Number
Alias Name: 71003684
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: QUARTZ INTERNATIONL, INC.
Address: 1181 CADILLAC CT
City,State,Zip: MILPITAS, CA 95035
Facility ID: 71003417
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Berkeley
Assembly: 25

SAINT-GOBAIN QUARTZ (Continued) **S103624791**

Senate: 10
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.44512
Longitude: -121.9197
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL930545082
Alias Type: EPA Identification Number
Alias Name: 71003417
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CUPA SANTA CLARA:
Name: CUMMINS ELECTRIFIED POWER NA INC
Address: 1181 CADILLAC CT
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: Not reported
Program Description: HMBP FACILITY, 1-3 CHEMICALS
Latitude: 37.445151
Longitude: -121.919775
Record ID: PR0425896
Facility ID: FA0283969

Name: CUMMINS ELECTRIFIED POWER NA INC
Address: 1181 CADILLAC CT
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Latitude: 37.445151
Longitude: -121.919775
Record ID: PR0429738
Facility ID: FA0283969

E33 **WONIK QUARTZ INTERNATIONAL** **CUPA Listings** **S121468676**
South **1181 CADILLAC CT** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.171 mi.
904 ft. **Site 7 of 7 in cluster E**

Relative: **Lower**
Actual: **10 ft.**

CUPA SANTA CLARA:

Name:	WONIK QUARTZ INTERNATIONAL
Address:	1181 CADILLAC CT
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2206
Program Description:	GENERATES 5 TO <25 TONS/YR
Latitude:	37.445026
Longitude:	-121.91894
Record ID:	PR0314912
Facility ID:	FA0202329

Name:	WONIK QUARTZ INTERNATIONAL
Address:	1181 CADILLAC CT
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2261
Program Description:	PERMIT BY RULE (PBR)
Latitude:	37.445026
Longitude:	-121.91894
Record ID:	PR0364904
Facility ID:	FA0202329

F34 **WAYBACK BURGERS** **CUPA Listings** **S122495108**
NNW **1547 CALIFORNIA CL** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.191 mi.
1009 ft. **Site 1 of 5 in cluster F**

Relative: **Higher**
Actual: **12 ft.**

CUPA SANTA CLARA:

Name:	WAYBACK BURGERS
Address:	1547 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	Not reported
Program Description:	HMBP FACILITY, 1-3 CHEMICALS
Latitude:	37.45208
Longitude:	-121.92045
Record ID:	PR0418154
Facility ID:	FA0276762

G35 **GAS RECOVERY SYSTEMS, NEWBY ISLAND** **RCRA-LQG** **1000905321**
NW **1804 DIXON LANDING ROAD** **ICIS** **CA0000483578**
1/8-1/4 **SAN JOSE, CA 95002** **US AIRS**
0.209 mi.
1104 ft. **Site 1 of 2 in cluster G**

Relative: **Lower**
Actual: **8 ft.**

RCRA-LQG:

Date Form Received by Agency:	2006-03-02 00:00:00.0
Handler Name:	GAS RECOVERY SYSTEMS, NEWBY ISLAND
Handler Address:	1804 DIXON LANDING ROAD
Handler City,State,Zip:	SAN JOSE, CA 95002

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

EPA ID:	CA0000483578
Contact Name:	MATTHEW L NOUROT
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	925-606-3700 3721
Contact Fax:	Not reported
Contact Email:	NOUROT@GRSLLC.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2005
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5717 BRISA STREET
Mailing City,State,Zip:	LIVERMORE, CA 94550
Owner Name:	GAS RECOVERY SYSTEMS
Owner Type:	Private
Operator Name:	GAS RECOVERY SYSTEMS
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2006-11-15 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Biennial: List of Years
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GAS RECOVERY SYSTEMS, INC.
Legal Status:	Private
Date Became Current:	1984-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GAS RECOVERY SYSTEMS, INC
Legal Status:	Private
Date Became Current:	1984-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GAS RECOVERY SYSTEMS
Legal Status:	Private
Date Became Current:	1984-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GAS RECOVERY SYSTEMS, INC.
Legal Status:	Private
Date Became Current:	1984-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GAS RECOVERY SYSTEMS, INC
Legal Status:	Private
Date Became Current:	1984-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	5717 BRISA STREET
Owner/Operator City,State,Zip:	LIVERMORE, CA 94550
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GAS RECOVERY SYSTEMS
Legal Status:	Private
Date Became Current:	1984-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	5717 BRISA STREET
Owner/Operator City,State,Zip:	LIVERMORE, CA 94550
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LAIDLAW GAS RECOVERY SYSTEMS
Legal Status:	Private

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	39899 BALENTINE DR UNIT 275
Owner/Operator City,State,Zip:	NEWARK, CA 94560
Owner/Operator Telephone:	510-656-8327
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	GAS RECOVERY SYS NEWBY ISLAND
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1994-07-15 00:00:00.0
Handler Name:	GAS RECOVERY SYS NEWBY ISLAND
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2002-03-06 00:00:00.0
Handler Name:	NEWBY ISLAND
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2004-02-02 00:00:00.0
Handler Name:	GAS RECOVERY SYSTEMS, NEWBY ISLAND
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-03-02 00:00:00.0
Handler Name: GAS RECOVERY SYSTEMS, NEWBY ISLAND
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 221119
NAICS Description: OTHER ELECTRIC POWER GENERATION

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2007-08-02 00:00:00.0
Actual Return to Compliance Date: 2007-08-02 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2007-08-02 00:00:00.0
Actual Return to Compliance Date: 2007-08-02 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2007-08-02 00:00:00.0
Actual Return to Compliance Date: 2007-08-02 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2007-08-02 00:00:00.0
Actual Return to Compliance Date: 2007-08-02 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2007-08-02 00:00:00.0
Actual Return to Compliance Date: 2007-08-02 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2007-08-02 00:00:00.0
Actual Return to Compliance Date: 2007-08-02 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 2007-08-02 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2007-08-02 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2007-08-02 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2007-08-02 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2007-08-02 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2007-08-02 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2007-08-02 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2007-08-02 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2007-08-02 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2007-08-02 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2007-08-02 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2007-08-02 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ICIS:

Enforcement Action ID:	CABAAA000006085B167000098
FRS ID:	110001155188
Action Name:	GAS RECOVERY SYSTEMS, INC 06085B167000098
Facility Name:	GAS RECOVERY SYSTEMS, INC
Facility Address:	1804 DIXON LANDING RD SAN JOSE, CA 95134

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000097
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000097
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000096
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000096
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000095
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000095

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Facility Name:	GAS RECOVERY SYSTEMS, INC
Facility Address:	1804 DIXON LANDING RD SAN JOSE, CA 95134
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45137
Longitude in Decimal Degrees:	-121.92375
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085B1670
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085B167000094
FRS ID:	110001155188
Action Name:	GAS RECOVERY SYSTEMS, INC 06085B167000094
Facility Name:	GAS RECOVERY SYSTEMS, INC
Facility Address:	1804 DIXON LANDING RD SAN JOSE, CA 95134
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45137
Longitude in Decimal Degrees:	-121.92375
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085B1670
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085B167000093
FRS ID:	110001155188
Action Name:	GAS RECOVERY SYSTEMS, INC 06085B167000093
Facility Name:	GAS RECOVERY SYSTEMS, INC
Facility Address:	1804 DIXON LANDING RD SAN JOSE, CA 95134
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45137
Longitude in Decimal Degrees:	-121.92375
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085B1670
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Enforcement Action ID: CABAAA000006085B167000092
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000092
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000070
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000070
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000069
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000069
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000068
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000068
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000067
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000067
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000045
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000045
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000043
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000043
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000039
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000039
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000038
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000038
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000029
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000029
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000028
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000028
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000018
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000018
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000017
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000017
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000016
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000016
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD
SAN JOSE, CA 95134
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45137
Longitude in Decimal Degrees: -121.92375
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085B1670
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085B167000015
FRS ID: 110001155188
Action Name: GAS RECOVERY SYSTEMS, INC 06085B167000015
Facility Name: GAS RECOVERY SYSTEMS, INC
Facility Address: 1804 DIXON LANDING RD

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

	SAN JOSE, CA 95134
Enforcement Action Type:	Administrative Order
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45137
Longitude in Decimal Degrees:	-121.92375
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085B1670
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085B167000014
FRS ID:	110001155188
Action Name:	GAS RECOVERY SYSTEMS, INC 06085B167000014
Facility Name:	GAS RECOVERY SYSTEMS, INC
Facility Address:	1804 DIXON LANDING RD
	SAN JOSE, CA 95134
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45137
Longitude in Decimal Degrees:	-121.92375
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085B1670
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085B167000013
FRS ID:	110001155188
Action Name:	GAS RECOVERY SYSTEMS, INC 06085B167000013
Facility Name:	GAS RECOVERY SYSTEMS, INC
Facility Address:	1804 DIXON LANDING RD
	SAN JOSE, CA 95134
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45137
Longitude in Decimal Degrees:	-121.92375
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085B1670
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085B167000012
FRS ID:	110001155188

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Action Name:	GAS RECOVERY SYSTEMS, INC 06085B167000012
Facility Name:	GAS RECOVERY SYSTEMS, INC
Facility Address:	1804 DIXON LANDING RD SAN JOSE, CA 95134
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45137
Longitude in Decimal Degrees:	-121.92375
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085B1670
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085B167000011
FRS ID:	110001155188
Action Name:	GAS RECOVERY SYSTEMS, INC 06085B167000011
Facility Name:	GAS RECOVERY SYSTEMS, INC
Facility Address:	1804 DIXON LANDING RD SAN JOSE, CA 95134
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45137
Longitude in Decimal Degrees:	-121.92375
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085B1670
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1000905321
Region Code:	09
County Code:	CA085
Programmatic ID:	AIR CABAA00006085B1670
Facility Registry ID:	110001155188
D and B Number:	Not reported
Facility Site Name:	GAS RECOVERY SYSTEMS, INC
Primary SIC Code:	4911
NAICS Code:	562211
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	POF
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	09
Programmatic ID:	AIR CABAA00006085B1670

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-07-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1996-12-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1997-05-23 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1998-06-24 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1999-07-03 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2005-10-04 00:00:00
Activity Group: Case File

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2008-12-17 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2011-10-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Activity Date: 2002-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-11-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-04-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-01-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Activity Date: 2007-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-03-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-04-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-11-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-12-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Activity Date: 2009-02-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1996-11-22 00:00:00
Activity Status Date: 1996-11-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-02-20 00:00:00
Activity Status Date: 1997-02-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-06-05 00:00:00
Activity Status Date: 1998-06-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-03-23 00:00:00
Activity Status Date: 1999-03-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-24 00:00:00
Activity Status Date: 2003-11-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-14 00:00:00
Activity Status Date: 2004-06-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-19 00:00:00
Activity Status Date: 2004-08-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-07-21 00:00:00
Activity Status Date: 2008-07-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-12 00:00:00
Activity Status Date: 2008-08-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-22 00:00:00
Activity Status Date: 2009-07-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1996-09-27 00:00:00
Activity Status Date: 1996-09-27 00:00:00
Activity Group: Enforcement Action

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1996-12-11 00:00:00
Activity Status Date: 1996-12-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-04-22 00:00:00
Activity Status Date: 1998-04-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-12-23 00:00:00
Activity Status Date: 1998-12-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-05-29 00:00:00
Activity Status Date: 2003-05-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

GAS RECOVERY SYSTEMS, NEWBY ISLAND (Continued) **1000905321**

Activity Date: 2004-05-07 00:00:00
Activity Status Date: 2004-05-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-07-20 00:00:00
Activity Status Date: 2004-07-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-13 00:00:00
Activity Status Date: 2008-03-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-22 00:00:00
Activity Status Date: 2008-05-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CABAA00006085B1670
Facility Registry ID: 110001155188
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-11-20 00:00:00
Activity Status Date: 2008-11-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

G36
NW
1/8-1/4
0.209 mi.
1104 ft.

GAS RECOVERY SYSTEMS, INC
1804 DIXON LANDING ROAD
SAN JOSE, CA 95134

Site 2 of 2 in cluster G

CUPA Listings **S121469505**
CERS **N/A**

Relative:
Lower

Actual:
8 ft.

CUPA SANTA CLARA:

Name:	GAS RECOVERY SYSTEMS
Address:	1804 DIXON LANDING RD
City,State,Zip:	SAN JOSE, CA 95035
Region:	SANTA CLARA
PE#:	2205
Program Description:	GENERATES 100 KG YR TO <5 TONS/YR
Latitude:	37.45434
Longitude:	-121.922769
Record ID:	PR0317883
Facility ID:	FA0207125

Name:	GAS RECOVERY SYSTEMS
Address:	1804 DIXON LANDING RD
City,State,Zip:	SAN JOSE, CA 95035
Region:	SANTA CLARA
PE#:	Not reported
Program Description:	HMBP FACILITY, 7-9 CHEMICALS
Latitude:	37.45434
Longitude:	-121.922769
Record ID:	PR0396461
Facility ID:	FA0207125

Name:	GAS RECOVERY SYSTEMS
Address:	1804 DIXON LANDING RD
City,State,Zip:	SAN JOSE, CA 95035
Region:	SANTA CLARA
PE#:	2011
Program Description:	APSA FACILITY-SPCC TEMPLATE (<10,000 GAL CAP)
Latitude:	37.45434
Longitude:	-121.922769
Record ID:	PR0399631
Facility ID:	FA0207125

CERS:

Name:	GAS RECOVERY SYSTEMS, INC
Address:	1804 DIXON LANDING ROAD
City,State,Zip:	SAN JOSE, CA 95134
Site ID:	469570
CERS ID:	110001155188
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	MATTHEW L NOUROT
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

GAS RECOVERY SYSTEMS, INC (Continued) **S121469505**

Affiliation Type Desc:	Environmental Contact
Entity Name:	MATTHEW BELL
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:	SUPARNA CHALKADAR
Entity Title:	Not reported
Affiliation Address:	5087 JUNCTION ROAD
Affiliation City:	LOCKPORT
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

F37 **DF VENTURE** **UST** **U004263327**
North **1551 CALIFORNIA CL** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.211 mi.
1114 ft. **Site 2 of 5 in cluster F**

Relative: UST:
Lower

Actual: Name:	DF VENTURE
10 ft. Address:	1551 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Facility ID:	FA0263368
Permitting Agency:	Santa Clara County Environmental Health
Latitude:	37.4522
Longitude:	-121.9212

F38 **DF VENTURE INC DBA DIXON LANDING CHEVRON** **RCRA NonGen / NLR** **1024822923**
North **1551 CALIFORNIA CIR** **CAL000342206**
1/8-1/4 **MILPITAS, CA 95035**
0.211 mi.
1114 ft. **Site 3 of 5 in cluster F**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:	2009-04-13 00:00:00.0
10 ft. Handler Name:	DF VENTURE INC DBA DIXON LANDING CHEVRON
Handler Address:	1551 CALIFORNIA CIR
Handler City,State,Zip:	MILPITAS, CA 95035-3023
EPA ID:	CAL000342206
Contact Name:	KARAM SINGH
Contact Address:	3400 HILLCREST AVE
Contact City,State,Zip:	ANTIOCH, CA 94531
Contact Telephone:	209-814-8581
Contact Fax:	209-762-6993
Contact Email:	KARAM.KDS@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09

DF VENTURE INC DBA DIXON LANDING CHEVRON (Continued) **1024822923**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3400 HILLCREST AVE
Mailing City,State,Zip:	ANTIOCH, CA 94531-8238
Owner Name:	SOS OIL INC
Owner Type:	Other
Operator Name:	KARAM SINGH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

DF VENTURE INC DBA DIXON LANDING CHEVRON (Continued) **1024822923**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:31:15.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KARAM SINGH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3400 HILLCREST AVE
Owner/Operator City,State,Zip:	ANTIOCH, CA 94531
Owner/Operator Telephone:	209-814-8581
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOS OIL INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	821 CORPORATE WAY
Owner/Operator City,State,Zip:	FREMONT, CA 94539-0000
Owner/Operator Telephone:	510-490-1734
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2009-04-13 00:00:00.0
Handler Name:	DF VENTURE INC DBA DIXON LANDING CHEVRON
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44719
NAICS Description:	OTHER GASOLINE STATIONS

DF VENTURE INC DBA DIXON LANDING CHEVRON (Continued) **1024822923**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F39 **DF VENTURE** **CERS HAZ WASTE** **S121739059**
North **1551 CALIFORNIA CL** **CERS TANKS** **N/A**
1/8-1/4 **MILPITAS, CA 95035** **CERS**
0.211 mi.
1114 ft. **Site 4 of 5 in cluster F**

Relative:
Lower

Actual:
10 ft.

CERS HAZ WASTE:
Name: DF VENTURE
Address: 1551 CALIFORNIA CL
City,State,Zip: MILPITAS, CA 95035
Site ID: 111332
CERS ID: 10346350
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: DF VENTURE
Address: 1551 CALIFORNIA CL
City,State,Zip: MILPITAS, CA 95035
Site ID: 111332
CERS ID: 10346350
CERS Description: Underground Storage Tank

CERS:
Name: DF VENTURE
Address: 1551 CALIFORNIA CL
City,State,Zip: MILPITAS, CA 95035
Site ID: 111332
CERS ID: 10346350
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/10/2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/11/2014.
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE

DF VENTURE (Continued) **S121739059**

Violation Date: 12/18/2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: ISSUES REGARDING CERTIFICATION OF FINANCIAL RESPONSIBILITY (CFR): Most recently electronically submitted (CFR) dated 2-17-28 is incomplete or inaccurately completed in the following manner: *Section B identifies "Karam Singh" as the Name of Tank Owner or Operator. Legal owner or operator should be identified here. *Section C lists CFO letter as a mechanism with the address as "Make Believe Co. 123 Tank Street, Fund City, CA". *Section D Facility name identifies "Lone Tree Chevron" located in Antioch, CA. The CFR dated 3-21-17 failed to include the legal name "DF Venture Inc." in section B, and instead included "DF Veture Inc". ISSUES REGARDING CHIEF FINANCIAL OFFICER LETTER: CFO letter dated 2-27-18 fails to identify the correct name and site address and instead identifies Lone Tree Chevron at 4600 Lone Tree in Antioch, CA. CFO letter dated 3-21-17 failed to identify the underground storage tanks for which the financial assurance is being provided.
Violation Division: Santa Clara County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 1/2/2014
Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 01/02/2014.
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/1/2013
Citation: 23 CCR 16 2643 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643
Violation Description: Failure to demonstrate to the CUPA that the method approved to monitor the tank meets the monitoring methods set forth in 2643(f)
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/1/2013
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department

DF VENTURE (Continued) **S121739059**

Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 12/18/2018
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 hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Facility reported 150 gallons of a "foaming detergent" but failed to provide chemical descriptors to identify the hazardous material. Include this information and resubmit. Additionally, Carbon Dioxide is identified as gas although it is stored in a liquid state. Change physical state and resubmit.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/1/2013
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/24/2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 1/21/2015
Citation: 23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description: Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes: Returned to compliance on 02/11/2015.
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332

DF VENTURE (Continued) **S121739059**

Site Name:	DF VENTURE
Violation Date:	11/24/2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	12/18/2018
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 12/18/2018. Monthly Designated Operator (DO) inspections failed to accurately complete the forms resulting in an inability to determine compliance of system. L5:91 Fill sump had a fuel alarm on January 9th 2018 however DO report indicated that no alarms had occurred in the month and did not have alarm resolution details with the report. Facility able to locate maintenance order indicating water was removed from sump. NO FURTHER ACTION REQURIED. L6:91 STP Sump had a fuel alarm on June 7th 2018 however DO report indicated that no alarms had occurred in the month and did not have alarm resolution details with the report. Facility able to determine that secondary containment testing had occurred on this date and was cause of the alarm. NO FURTHER ACTION REQUIRED. Lastly, with each monthly DO report there is a daily monitoring record that indicates there are 4 underground storage tanks (USTs) and logs are performed on all 4 including deficiencies being identified on tanks that do [Truncated]
Violation Division:	Santa Clara County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/1/2013
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	12/18/2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste",

DF VENTURE (Continued) **S121739059**

	name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/17/2019. The following containers of hazardous waste unmarked or insufficiently marked: 1x55 gal oily debris - no accumulation start date or statement of hazard.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/24/2015
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:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/4/2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	12/18/2013
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes:	Returned to compliance on 01/02/2014.
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332

DF VENTURE (Continued) **S121739059**

Site Name:	DF VENTURE
Violation Date:	12/18/2013
Citation:	23 CCR 16 2643 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643
Violation Description:	Failure to demonstrate to the CUPA that the method approved to monitor the tank meets the monitoring methods set forth in 2643(f)
Violation Notes:	Returned to compliance on 03/06/2014.
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	2/4/2016
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/1/2013
Citation:	HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description:	Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	1/2/2014
Citation:	23 CCR 16 2643 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643
Violation Description:	Failure to demonstrate to the CUPA that the method approved to monitor the tank meets the monitoring methods set forth in 2643(f)
Violation Notes:	Returned to compliance on 03/06/2014.
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332

DF VENTURE (Continued) **S121739059**

Site Name:	DF VENTURE
Violation Date:	12/18/2018
Citation:	23 CCR 16 2712(b)(1) and (2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1) and (2)
Violation Description:	Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes:	Returned to compliance on 01/17/2019. Facility failed to retain records on-site of the 2015 secondary containment testing. This was also noted as a violation during Milpitas Fire department inspection in 2017.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/4/2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 11/24/2015.
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	10/27/2017
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the CUPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 12/06/2017.
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	1/11/2017
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/22/2017.
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	1/11/2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286

DF VENTURE (Continued) **S121739059**

Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 03/21/2017.
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/4/2015
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:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	12/18/2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 01/17/2019. Tank operator is currently identified as "Karam Singh". Identify the legal entity "DF Venture Inc." and resubmit. Additionally, tank descriptions for tank 1 and tank 2 indicate the tank manufacturer as "Xfrex". Manufacturer should state "Xerxes". Lastly, in the UDC monitoring section for both tanks it states "yes" under the question "UDC Monitoring Stops Flow of Product at Dispenser". Remove this "yes" as it does not perform this action.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	12/18/2018
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 01/17/2019. Facility unable to provide documentation indicating employees have been annually trained as it relates to a response to a release or threatened release of a hazardous material.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

DF VENTURE (Continued) **S121739059**

Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/24/2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/4/2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/13/2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 11/19/2019. Facility failed to provide a current Chief Financial Officer letter either on-site or electronically on CERS. Currently, the document in the place of the Chief Financial Officer section in CERS is actually the Certification of Financial Responsibility (CFR). CORRECTED AT TIME OF INSPECTION, DESIGNATED OPERATOR UPLOADED CFO LETTER TO CERS. Additionally, facility's most recently electronically submitted certification of financial responsibility (CFR) does not have a name and signature of witness or notary.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/13/2019
Citation:	23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)

DF VENTURE (Continued) **S121739059**

Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "
Violation Notes: Returned to compliance on 11/13/2019. County has not received a copy of the overfill prevention equipment inspection report from the inspection performed on 7-9-2019. PROVIDED AT TIME OF INSPECTION, NO FURTHER ACTION REQUIRED.
Violation Division: Santa Clara County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 10/27/2017
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 12/06/2017.
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/13/2019
Citation: 23 CCR 16 2716(a) through (e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(a) through (e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 11/13/2019. Monthly inspection form from 7-25-2019 and 8-25-2019 DO inspection provided an inaccurate overfill prevention equipment inspection date of 12-13-18. Ensure records reflect the accurate date of 7-9-2019. Spoke on phone with DO and he confirmed he has the corrected date on all documents going forward and will correct incorrect dates as well. NO FURTHER ACTION REQUIRED.
Violation Division: Santa Clara County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 2/4/2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter

DF VENTURE (Continued) **S121739059**

	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:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	10/27/2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/06/2017.
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/1/2013
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	2/4/2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Not reported
Violation Division:	Milpitas City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	111332
Site Name:	DF VENTURE
Violation Date:	11/10/2014
Citation:	23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description:	Failure to properly affix tag/sticker on monitoring equipment being

DF VENTURE (Continued) **S121739059**

certified, repaired, or replaced.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/1/2013
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes: Returned to compliance on 11/01/2013.
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 1/11/2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 03/21/2017.
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/1/2013
Citation: 23 CCR 16 2715(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(d)
Violation Description: Failure to notify the owner or operator of any condition discovered during the monthly visual inspection that may require follow-up actions.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 12/18/2013
Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: HMRRP
Violation Source: CERS

DF VENTURE (Continued) **S121739059**

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/4/2015
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 11/24/2015.
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Violation Date: 11/4/2015
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes: Not reported
Violation Division: Milpitas City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspection is a follow up to the routine inspection dated 11/10/2014. All violations observed during that inspection were corrected.
Eval Division: Milpitas City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual Facility Review --
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual Facility Review --
Eval Division: Milpitas City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-24-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspection is a follow up to the routine inspection dated 11/04/2015.

DF VENTURE (Continued) **S121739059**

	All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-06-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 10/27/2017. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-02-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/01/2013. All violations observed during that inspection were corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-11-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-21-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/10/2014. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/04/2015. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-11-2017
Violations Found:	Yes

DF VENTURE (Continued) **S121739059**

Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-21-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/10/2014. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site to witness annual monitoring certification, spill bucket testing, and to perform an inspection of the underground storage tank system. Jarrod Cooke with Tanknology, Inc performed the testing and had valid certifications to perform such testing (eg. ICC tech, Veeder-Root Technician, VMI tester). System performed as designed without exception. Reviewed documentation including but not limited to: Operating Permit Monitoring Plan Response Plan Dusto agreement Financial Responsibility Monthly DO Inspections Training Records System Set-up and Alarm History
Eval Division:	Santa Clara County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-18-2013
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/04/2013. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/04/2015. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-22-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

DF VENTURE (Continued) **S121739059**

Eval Notes:	Inspection is a follow up to the routine inspection dated 01/11/2017. All violations observed during that inspection were corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-27-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-10-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-10-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-24-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/04/2015. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-18-2013
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/01/2013. All violations observed during that inspection were not corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency

DF VENTURE (Continued) **S121739059**

Eval Notes:	CAL000342206 is active. Observed waste marked as hazardous waste including: Gasoline with water Oily debris Reviewed documentation including: Uniform hazardous waste manifests
Eval Division:	Santa Clara County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility most recently electronically submitted a Hazardous Materials Business Plan (HMBP) on 2-26-18 (Facility + Inventory), and 2-13-18 (Plans). Reportable hazardous materials include but are not limited to: Gasoline Carbon Dioxide Caustic detergent Operator also owns property.
Eval Division:	Santa Clara County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-11-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/10/2014. All violations observed during that inspection were corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-01-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-01-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-04-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Facility Review --
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS

DF VENTURE (Continued) **S121739059**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On-site to witness annual monitoring certification, spill bucket testing, and to perform an inspection of the underground storage tank system. Darren Sciume with Tanknology performed the testing and had valid certifications to perform such testing (eg. ICC, Veeder-Root Technician, LDT-5000). System performed as designed without exception. Reviewed documentation including but not limited to: Permit application (CERS) Monitoring Plan Response Plan Dusto agreement Financial Responsibility Monthly DO Inspections Training Records System Set-up and Alarm History Overfill prevention is provided by audible/visual alarm. Probes were removed and float moved to the point that was equivalent to 90% (referencing a tank chart) and the audible annunciator was heard in addition to providing a visual alarm near fill point. NOTE 1: Spill buckets for 87 tank is approximately 4 gallons and the spill bucket for the 91 tank is approximately 3.5 gallon in capacity. Buckets [Truncated]
Eval Division:	Santa Clara County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	01-02-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection is a follow up to the routine inspection dated 11/04/2013. All violations observed during that inspection were corrected.
Eval Division:	Milpitas City Fire Department
Eval Program:	UST
Eval Source:	CERS

Enforcement Action:

Site ID:	111332
Site Name:	DF VENTURE
Site Address:	1551 CALIFORNIA CL
Site City:	MILPITAS
Site Zip:	95035
Enf Action Date:	01-11-2017
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:	Milpitas City Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	111332
Site Name:	DF VENTURE
Site Address:	1551 CALIFORNIA CL
Site City:	MILPITAS
Site Zip:	95035
Enf Action Date:	01-11-2017
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:	Milpitas City Fire Department

DF VENTURE (Continued) **S121739059**

Enf Action Program: UST
Enf Action Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Site Address: 1551 CALIFORNIA CL
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 10-27-2017
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: Milpitas City Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Site Address: 1551 CALIFORNIA CL
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 11-01-2013
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: Milpitas City Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Site Address: 1551 CALIFORNIA CL
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 11-01-2013
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: Milpitas City Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 111332
Site Name: DF VENTURE
Site Address: 1551 CALIFORNIA CL
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 11-10-2014
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: Milpitas City Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 111332
Site Name: DF VENTURE

DF VENTURE (Continued) **S121739059**

Site Address: 1551 CALIFORNIA CL
Site City: MILPITAS
Site Zip: 95035
Enf Action Date: 11-10-2014
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: Milpitas City Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Eric Meeker
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: Identification Signer
Entity Name: Karam Signh
Entity Title: Operator
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: DF VENTURE INC
Entity Title: Not reported
Affiliation Address: 1551 CALIFORNIA CL
Affiliation City: MILPITAS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95035
Affiliation Phone: (209) 814-8581

Affiliation Type Desc: Operator
Entity Name: Karam Signh
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) 814-8581

Affiliation Type Desc: Parent Corporation
Entity Name: DF Venture
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

DF VENTURE (Continued) **S121739059**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator
Entity Name:	DF VENTURE INC
Entity Title:	Not reported
Affiliation Address:	1551 California Circle
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(408) 935-9752
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1551 CALIFORNIA CL
Affiliation City:	MILPITAS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	DF VENTURE INC
Entity Title:	Not reported
Affiliation Address:	1551 CALIFORNIA CL
Affiliation City:	MILPITAS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95035
Affiliation Phone:	(209) 814-8581
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Karam Singh
Entity Title:	Operator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(510) 498-8741
Affiliation Type Desc:	UST Tank Owner
Entity Name:	DF Ventures Inc.
Entity Title:	Not reported
Affiliation Address:	1551 California Circle
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(510) 498-8741
Affiliation Type Desc:	CUPA District
Entity Name:	Santa Clara County Environmental Health

DF VENTURE (Continued) **S121739059**

Entity Title:	Not reported
Affiliation Address:	1555 Berger Drive, Suite 300
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95112-2716
Affiliation Phone:	(408) 918-3400
Affiliation Type Desc:	Environmental Contact
Entity Name:	Karam Singh
Entity Title:	Not reported
Affiliation Address:	1551 CALIFORNIA CL
Affiliation City:	MILPITAS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	DF Ventures
Entity Title:	Not reported
Affiliation Address:	1551 California Circle
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(510) 498-8741

F40 **DIXON LANDING CHEVRON** **CUPA Listings** **S122353910**
North **1551 CALIFORNIA CL** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.211 mi.
1114 ft. **Site 5 of 5 in cluster F**

Relative: **Lower**

Actual: **10 ft.**

CUPA SANTA CLARA:

Name:	DIXON LANDING CHEVRON
Address:	1551 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2202
Program Description:	GENERATES < 100 KG/YR
Latitude:	37.453926
Longitude:	-121.910886
Record ID:	PR0430409
Facility ID:	FA0263368
Name:	DIXON LANDING CHEVRON
Address:	1551 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2399
Program Description:	UNDERGROUND STORAGE TANK PROGRAM RECORD
Latitude:	37.453926
Longitude:	-121.910886
Record ID:	PR0387928
Facility ID:	FA0263368

DIXON LANDING CHEVRON (Continued) **S122353910**

Name:	DIXON LANDING CHEVRON
Address:	1551 CALIFORNIA CL
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	Not reported
Program Description:	HMBP FACILITY, 4-6 CHEMICALS
Latitude:	37.453926
Longitude:	-121.910886
Record ID:	PR0400730
Facility ID:	FA0263368

H41 **APPLIED MATERIALS INC** **CUPA Listings** **S121468763**
SE **380 FAIRVIEW WY** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.212 mi.
1119 ft. **Site 1 of 2 in cluster H**

Relative: **Lower**
Actual: **9 ft.**

CUPA SANTA CLARA:

Name:	APPLIED MATERIALS INC
Address:	380 FAIRVIEW WY
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2205
Program Description:	GENERATES 100 KG YR TO <5 TONS/YR
Latitude:	37.445974
Longitude:	-121.916319
Record ID:	PR0317458
Facility ID:	FA0202687

H42 **ADVANTECH CORPORATION** **RCRA NonGen / NLR** **1025874876**
SE **380 FAIRVIEW WAY** **CAL000448009**
1/8-1/4 **MILPITAS, CA 95035**
0.212 mi.
1119 ft. **Site 2 of 2 in cluster H**

Relative: **Lower**
Actual: **9 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2019-08-06 00:00:00.0
Handler Name:	ADVANTECH CORPORATION
Handler Address:	380 FAIRVIEW WAY
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAL000448009
Contact Name:	CARMEL GACHO
Contact Address:	380 FAIRVIEW WAY
Contact City,State,Zip:	MILPITAS, CA 95035
Contact Telephone:	408-519-3800
Contact Fax:	408-519-3868
Contact Email:	CARMEL.GACHO@ADVANTECH.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported

ADVANTECH CORPORATION (Continued) **1025874876**

State District:	Not reported
Mailing Address:	380 FAIRVIEW WAY
Mailing City,State,Zip:	MILPITAS, CA 95035
Owner Name:	ADVANTECH CORPORATION
Owner Type:	Other
Operator Name:	CARMEL GACHO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-09-10 12:41:02.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

ADVANTECH CORPORATION (Continued) **1025874876**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ADVANTECH CORPORATION
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	380 FAIRVIEW WAY
Owner/Operator City,State,Zip:	MILPITAS, CA 95035
Owner/Operator Telephone:	408-519-3800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CARMEL GACHO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	380 FAIRVIEW WAY
Owner/Operator City,State,Zip:	MILPITAS, CA 95035
Owner/Operator Telephone:	408-519-3800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-08-06 00:00:00.0
Handler Name:	ADVANTECH CORPORATION
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334111
NAICS Description:	ELECTRONIC COMPUTER MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I43 **SAMSUNG SEMICONDUCTOR INC** **CUPA Listings** **S112345849**
SSE **1123 CADILLAC CT** **HAZNET** **N/A**
1/8-1/4 **MILPITAS, CA 95035** **HWTS**
0.221 mi.
1166 ft. **Site 1 of 2 in cluster I**

Relative:
Lower

Actual:
8 ft.

CUPA SANTA CLARA:

Name:	SAMSUNG SEMICONDUCTOR
Address:	1123 CADILLAC CT
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2202
Program Description:	GENERATES < 100 KG/YR
Latitude:	37.44484
Longitude:	-121.9189
Record ID:	PR0382707
Facility ID:	FA0261033

Name:	SAMSUNG SEMICONDUCTOR
Address:	1123 CADILLAC CT
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	Not reported
Program Description:	HMBP FACILITY, 4-6 CHEMICALS
Latitude:	37.44484
Longitude:	-121.9189
Record ID:	PR0384718
Facility ID:	FA0261033

HAZNET:

Name:	SAMSUNG SEMICONDUCTOR INC
Address:	1123 CADILLAC CT
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950353055
Contact:	BRYAN HODGES
Telephone:	4085444459
Mailing Name:	Not reported
Mailing Address:	1123 CADILLAC CT

Year:	2019
Gepaid:	CAL000415790
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.20250

Year:	2019
Gepaid:	CAL000415790
TSD EPA ID:	CAD008302903
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.12000

Year:	2019
Gepaid:	CAL000415790
TSD EPA ID:	CAD008302903
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

SAMSUNG SEMICONDUCTOR INC (Continued) **S112345849**

Tons:	0.02750
Year:	2019
Gepaid:	CAL000415790
TSD EPA ID:	CAD008302903
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02750
Year:	2019
Gepaid:	CAL000415790
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.12250
Year:	2019
Gepaid:	CAL000415790
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.04000
Year:	2019
Gepaid:	CAL000415790
TSD EPA ID:	CAT080014079
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.29000
Year:	2018
Gepaid:	CAL000415790
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.04000
Year:	2018
Gepaid:	CAL000415790
TSD EPA ID:	CAT080014079
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.26000
Year:	2017
Gepaid:	CAL000415790
TSD EPA ID:	CAD008302903
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125

SAMSUNG SEMICONDUCTOR INC (Continued) **S112345849**

Click this hyperlink while viewing on your computer to access
4 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000415790
Shipment Date:	20171006
Creation Date:	7/19/2018 18:30:16
Receipt Date:	20171011
Manifest ID:	001232532VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.16
Waste Quantity:	320
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171006
Creation Date:	5/17/2018 18:30:51
Receipt Date:	20171011
Manifest ID:	001232531VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SAMSUNG SEMICONDUCTOR INC (Continued) **S112345849**

Shipment Date:	20170720
Creation Date:	5/17/2018 18:31:47
Receipt Date:	20170728
Manifest ID:	001235715VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170720
Creation Date:	6/13/2018 18:31:35
Receipt Date:	20170726
Manifest ID:	001235718VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170720
Creation Date:	5/17/2018 18:31:47
Receipt Date:	20170728
Manifest ID:	001235715VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433

SAMSUNG SEMICONDUCTOR INC (Continued) **S112345849**

Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170522
Creation Date:	5/17/2018 18:31:33
Receipt Date:	20170531
Manifest ID:	001233241VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170522
Creation Date:	5/20/2018 18:31:05
Receipt Date:	20170526
Manifest ID:	001233242VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site

SAMSUNG SEMICONDUCTOR INC (Continued) **S112345849**

Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SAMSUNG SEMICONDUCTOR INC
Address:	1123 CADILLAC CT
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAL000415790
Inactive Date:	Not reported
Create Date:	03/30/2016
Last Act Date:	10/01/2020
Mailing Name:	BRYAN HODGES
Mailing Address:	3655 N. 1ST ST.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN JOSE, CA 951340000
Owner Name:	SAMSUNG SEMICONDUCTIOR INC.
Owner Address:	3655 NOTTH FIRST STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN JOSE, CA 951340000
Contact Name:	BRYAN HODGES
Contact Address:	3655 N FIRST ST
Contact Address 2:	Not reported
City,State,Zip:	SAN JOSE, CA 95134

NAICS:

EPA ID:	CAL000415790
Create Date:	2016-03-30 15:56:52.947
NAICS Code:	52599
NAICS Description:	Other Financial Vehicles
Issued EPA ID Date:	2016-03-30 15:56:52.89700
Inactive Date:	Not reported
Facility Name:	SAMSUNG SEMICONDUCTOR INC
Facility Address:	1123 CADILLAC CT
Facility Address 2:	Not reported
Facility City:	MILPITAS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	95035

I44 **SAMSUNG SEMICONDUCTOR INC** **RCRA NonGen / NLR** **1024854542**
SSE **1123 CADILLAC CT** **CAL000415790**
1/8-1/4 **MILPITAS, CA 95035**
0.221 mi.
1166 ft. **Site 2 of 2 in cluster I**

Relative: **Lower**
Actual: **8 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2016-03-30 00:00:00.0
Handler Name:	SAMSUNG SEMICONDUCTOR INC
Handler Address:	1123 CADILLAC CT
Handler City,State,Zip:	MILPITAS, CA 95035

SAMSUNG SEMICONDUCTOR INC (Continued) **1024854542**

EPA ID:	CAL000415790
Contact Name:	THEODORE YONG
Contact Address:	1123 CADILLAC CT
Contact City,State,Zip:	MILPITAS, CA 95035
Contact Telephone:	510-406-1197
Contact Fax:	408-544-5754
Contact Email:	TED.YONG@SSI.SAMSUNG.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1123 CADILLAC CT
Mailing City,State,Zip:	MILPITAS, CA 95035-3055
Owner Name:	SAMSUNG SEMICONDUCTIOR INC.
Owner Type:	Other
Operator Name:	THEODORE YONG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

SAMSUNG SEMICONDUCTOR INC (Continued) **1024854542**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:07:37.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THEODORE YONG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1123 CADILLAC CT
Owner/Operator City,State,Zip:	MILPITAS, CA 95035
Owner/Operator Telephone:	510-406-1197
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SAMSUNG SEMICONDUCTIOR INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3655 NOTTH FIRST STREET
Owner/Operator City,State,Zip:	SAN JOSE, CA 95134-0000
Owner/Operator Telephone:	408-544-5432
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2016-03-30 00:00:00.0
Handler Name:	SAMSUNG SEMICONDUCTOR INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

SAMSUNG SEMICONDUCTOR INC (Continued) **1024854542**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 52599
NAICS Description: OTHER FINANCIAL VEHICLES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

45
ENE
1/8-1/4
0.225 mi.
1186 ft.

DOUDELL TRUCKING **CPS-SLIC S117338864**
DIXON LANDING & INTERSTATE 880 **CERS N/A**
MILPITAS, CA 95035

Relative:
Higher

Actual:
12 ft.

CPS-SLIC:
Name: DOUDELL TRUCKING
Address: DIXON LANDING & INTERSTATE 880
City,State,Zip: MILPITAS, CA 95035
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/08/1996
Global Id: T0608500527
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.449605894
Longitude: -121.91530426
Case Type: Cleanup Program Site
Case Worker: UUU
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: 43S0252
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: 1,1,1-Trichloroethane (TCA), Lead, Nickel, Diesel, Toluene
Site History: Approximate 100 acre site located south of Dixon Landing Road approximately 500 ft east of I-880. In the late 1908s the property was used for treatment and disposal of water treatment sludge and also illegal disposal of drummed Class I waste. During development for residences, buried 55-gallon drums containing VOCs were found. CAO issued in 1989. Approximately 500 drums and 95,000 cubic yards of VOC impacted soil were excavated and removed from the site during 1989. Based on a Five Year Status Report submitted to the Board in October 1994, the chemicals at the site have not significantly affected underlying groundwater. CAO rescinded in 1995. Site redeveloped for residential purposes.

Click here to access the California GeoTracker records for this facility:

DOUDELL TRUCKING (Continued) **S117338864**

CERS:
- Name: DOUDELL TRUCKING
- Address: DIXON LANDING & INTERSTATE 880
- City,State,Zip: MILPITAS, CA 95035
- Site ID: 194733
- CERS ID: T0608500527
- CERS Description: Cleanup Program Site

Affiliation:
- Affiliation Type Desc: Local Agency Caseworker
- Entity Name: UST CASE WORKER - SANTA CLARA COUNTY LOP
- Entity Title: Not reported
- Affiliation Address: 1555 Berger Drive, Suite 300
- Affiliation City: SAN JOSE
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 4089183400

- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
- Entity Title: Not reported
- Affiliation Address: 1515 CLAY ST SUITE 1400
- Affiliation City: OAKLAND
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: Not reported

J46 **CITY OF MILPITAS - CALIFORNIA CIRCLE PUMP STATION** **CUPA Listings** **S122495100**
North **1735 CALIFORNIA CL** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.249 mi.
1316 ft. **Site 1 of 2 in cluster J**

Relative:
Lower

Actual:
10 ft.

CUPA SANTA CLARA:
- Name: CITY OF MILPITAS - CALIFORNIA CIRCLE PUMP STATION
- Address: 1735 CALIFORNIA CL
- City,State,Zip: MILPITAS, CA 95035
- Region: SANTA CLARA
- PE#: Not reported
- Program Description: HMBP FACILITY, 1-3 CHEMICALS
- Latitude: 37.45274
- Longitude: -121.920689
- Record ID: PR0400766
- Facility ID: FA0262151

J47 **CITY OF MILPITAS** **LUST** **S101303660**
NNW **1735 CALIFORNIA CIR** **HIST LUST** **N/A**
1/4-1/2 **MILPITAS, CA 95035** **Cortese**
0.255 mi. **EMI**
1349 ft. **Site 2 of 2 in cluster J** **HIST CORTESE**
CERS

Relative:
Lower

Actual:
11 ft.

LUST:

Name:	CALIFORNIA CIRCLE PUMP STATION
Address:	1735 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035
Lead Agency:	SANTA CLARA COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608500740
Global Id:	T0608500740
Latitude:	37.452725851
Longitude:	-121.92150838
Status:	Completed - Case Closed
Status Date:	11/25/1996
Case Worker:	UST
RB Case Number:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0608500740
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608500740
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	SANTA CLARA COUNTY LOP
Address:	1555 Berger Drive, Suite 300
City:	SAN JOSE
Email:	Not reported
Phone Number:	4089183400

LUST:

Global Id:	T0608500740
Action Type:	ENFORCEMENT
Date:	11/20/1995
Action:	Notice of Responsibility - #39175

Global Id:	T0608500740
Action Type:	Other
Date:	01/01/1992
Action:	Leak Reported

Global Id:	T0608500740

CITY OF MILPITAS (Continued) **S101303660**

Action Type: RESPONSE
Date: 11/25/1996
Action: Other Report / Document

Global Id: T0608500740
Action Type: ENFORCEMENT
Date: 11/25/1996
Action: Closure/No Further Action Letter

LUST:
Global Id: T0608500740
Status: Open - Case Begin Date
Status Date: 01/01/1992

Global Id: T0608500740
Status: Open - Site Assessment
Status Date: 11/01/1992

Global Id: T0608500740
Status: Open - Site Assessment
Status Date: 10/20/1993

Global Id: T0608500740
Status: Completed - Case Closed
Status Date: 11/25/1996

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 05S1E31N03f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 11/1/1992
Pollution Characterization Began: 10/20/1993
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST SANTA CLARA:
Name: CALIFORNIA CIRCLE PUMP STATION
Address: 1735 CALIFORNIA CIR
City,State,Zip: MILPITAS, CA
Region: SANTA CLARA
SCVWD ID: 05S1E31N03F
Date Closed: 11/25/1996
EDR Link ID: 05S1E31N03F

HIST LUST SANTA CLARA:
Name: California Circle Pump Station

CITY OF MILPITAS (Continued) **S101303660**

Address: 1735 California Cir
City: Milpitas
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 05S1E31N03
Oversite Agency: SCVWD
Date Listed: 1993-05-11 00:00:00
Closed Date: 1996-11-25 00:00:00

CORTESE:

Name:	CALIFORNIA CIRCLE PUMP STATION
Address:	1735 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608500740
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	CITY OF MILPITAS
Address:	1735 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035
Year:	2008
County Code:	43
Air Basin:	SF
Facility ID:	17155
Air District Name:	BA
SIC Code:	9229
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.002
Reactive Organic Gases Tons/Yr:	.0016734
Carbon Monoxide Emissions Tons/Yr:	.007
NOX - Oxides of Nitrogen Tons/Yr:	.032
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001952

CITY OF MILPITAS (Continued) **S101303660**

Name:	CITY OF MILPITAS
Address:	1735 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035
Year:	2009
County Code:	43
Air Basin:	SF
Facility ID:	17155
Air District Name:	BA
SIC Code:	9229
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002
Reactive Organic Gases Tons/Yr:	0.0016734
Carbon Monoxide Emissions Tons/Yr:	7.0000000000000001E-3
NOX - Oxides of Nitrogen Tons/Yr:	3.2000000000000001E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001952

Name:	CITY OF MILPITAS
Address:	1735 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035
Year:	2010
County Code:	43
Air Basin:	SF
Facility ID:	17155
Air District Name:	BA
SIC Code:	9229
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002
Reactive Organic Gases Tons/Yr:	0.0016734
Carbon Monoxide Emissions Tons/Yr:	7.0000000000000001E-3
NOX - Oxides of Nitrogen Tons/Yr:	3.2000000000000001E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00204918032786885
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.002

Name:	CITY OF MILPITAS
Address:	1735 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035
Year:	2011
County Code:	43
Air Basin:	SF
Facility ID:	17155
Air District Name:	BA
SIC Code:	9229
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002
Reactive Organic Gases Tons/Yr:	0.0016734
Carbon Monoxide Emissions Tons/Yr:	0.007
NOX - Oxides of Nitrogen Tons/Yr:	0.032
SOX - Oxides of Sulphur Tons/Yr:	0

CITY OF MILPITAS (Continued) **S101303660**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CITY OF MILPITAS
Address: 1735 CALIFORNIA CIR
City,State,Zip: MILPITAS, CA 95035
Year: 2012
County Code: 43
Air Basin: SF
Facility ID: 17155
Air District Name: BA
SIC Code: 9229
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.003
Reactive Organic Gases Tons/Yr: 0.0025101
Carbon Monoxide Emissions Tons/Yr: 0.011
NOX - Oxides of Nitrogen Tons/Yr: 0.049
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.0030737704918
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.003

Name: CITY OF MILPITAS
Address: 1735 CALIFORNIA CIR
City,State,Zip: MILPITAS, CA 95035
Year: 2013
County Code: 43
Air Basin: SF
Facility ID: 17155
Air District Name: BA
SIC Code: 9229
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.003
Reactive Organic Gases Tons/Yr: 0.0025101
Carbon Monoxide Emissions Tons/Yr: 0.011
NOX - Oxides of Nitrogen Tons/Yr: 0.049
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.003
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.003

Name: CITY OF MILPITAS
Address: 1735 CALIFORNIA CIR
City,State,Zip: MILPITAS, CA 95035
Year: 2014
County Code: 43
Air Basin: SF
Facility ID: 17155
Air District Name: BA
SIC Code: 9229
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.006834553
Reactive Organic Gases Tons/Yr: 0

CITY OF MILPITAS (Continued) **S101303660**

Carbon Monoxide Emissions Tons/Yr:	0.018158037
NOX - Oxides of Nitrogen Tons/Yr:	0.083523128
SOX - Oxides of Sulphur Tons/Yr:	3.872e-005
Particulate Matter Tons/Yr:	0.001192824
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001145111

Name:	CITY OF MILPITAS
Address:	1735 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035
Year:	2015
County Code:	43
Air Basin:	SF
Facility ID:	17155
Air District Name:	BA
SIC Code:	9229
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.006834553
Reactive Organic Gases Tons/Yr:	0.006675745
Carbon Monoxide Emissions Tons/Yr:	0.018158039
NOX - Oxides of Nitrogen Tons/Yr:	0.083523125
SOX - Oxides of Sulphur Tons/Yr:	3.872e-005
Particulate Matter Tons/Yr:	0.001192824
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001145111

Name:	CITY OF MILPITAS
Address:	1735 CALIFORNIA CIR
City,State,Zip:	MILPITAS, CA 95035
Year:	2016
County Code:	43
Air Basin:	SF
Facility ID:	17155
Air District Name:	BA
SIC Code:	9229
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.006834553
Reactive Organic Gases Tons/Yr:	0.0060041548105
Carbon Monoxide Emissions Tons/Yr:	0.018158037
NOX - Oxides of Nitrogen Tons/Yr:	0.083523128
SOX - Oxides of Sulphur Tons/Yr:	3.872e-005
Particulate Matter Tons/Yr:	0.001192824
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001145111

HIST CORTESE:

edr_fname:	CALIFORNIA CIRCLE PUMP ST
edr_fadd1:	1735 CALIFORNIA
City,State,Zip:	MILPITAS, CA 95035
Region:	CORTESE
Facility County Code:	43
Reg By:	LTNKA
Reg Id:	43-0711

CERS:

CITY OF MILPITAS (Continued) **S101303660**

Name: CALIFORNIA CIRCLE PUMP STATION
Address: 1735 CALIFORNIA CIR
City,State,Zip: MILPITAS, CA 95035
Site ID: 216017
CERS ID: T0608500740
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: UST CASE WORKER - SANTA CLARA COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: SAN JOSE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 4089183400

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: CITY OF MILPITAS
Address: 1735 CALIFORNIA CIR
City,State,Zip: MILPITAS, CA 95035
Site ID: 460414
CERS ID: 110054321104
CERS Description: US EPA Air Emission Inventory System (EIS)

48
NNW
1/4-1/2
0.349 mi.
1845 ft.

DOUDELL PROPERTY **ENVIROSTOR** **S101542281**
SE CORNER OF DIXON LANDING RD & I-880 **N/A**
MILPITAS, CA 95035

Relative:
Higher

Actual:
26 ft.

ENVIROSTOR:
Name: DOUDELL PROPERTY
Address: SE CORNER OF DIXON LANDING RD & I-880
City,State,Zip: MILPITAS, CA 95035
Facility ID: 43420005
Status: Refer: RWQCB
Status Date: 10/19/1990
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned

DOUDELL PROPERTY (Continued) **S101542281**

Division Branch: Cleanup Berkeley
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.45403
Longitude: -121.9221
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS * OXYGENATED SOLVENTS * CONTAMINATED SOIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: DIAMOND TANK LINES & TRANSPORTATION INC
Alias Type: Alternate Name
Alias Name: 43420005
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 11/10/1988
Comments: FACILITY IDENTIFIED S&E NOTIFIED SMU OF 100-300 BURIED DRUMS OF MEK BEING EXCAVATED; RWQCB IS LEAD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 06/05/1981
Comments: FACILITY IDENTIFIED IDENTIFIED FROM RWQCB FILES

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/16/1988
Comments: SITE SCREENING DONE S&E TO DECIDE IF ENFORCEMENT CASE. IF NOT, STATE PA RECOMMENDED.

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

K49
ENE
1/4-1/2
0.401 mi.
2115 ft.

Relative:
Higher

Actual:
18 ft.

PRUDENTIAL OVERALL SUPPLY
1429 N MILPITAS BLVD
MILPITAS, CA 95035

Site 1 of 2 in cluster K

Database(s): RCRA-SQG, LUST, CPS-SLIC, HIST LUST, SWEEPS UST, HIST UST, CA FID UST, FINDS, ECHO, Cortese, EMI, HIST CORTESE, CERS

EDR ID Number: 1000187293
EPA ID Number: CAD059499228

RCRA-SQG:

Date Form Received by Agency:	1996-09-01 00:00:00.0
Handler Name:	PRUDENTIAL OVERALL SUPPLY
Handler Address:	1429 N MILPITAS BLVD
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAD059499228
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	2
Mailing Address:	1429 N MILPITAS BLVD
Mailing City,State,Zip:	MILPITAS, CA 95035
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2006-09-05 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PRUDENTIAL OVERALL
Legal Status:	Private
Date Became Current:	Not reported

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	PRUDENTIAL OVERALL SUPPLY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1986-12-04 00:00:00.0
Handler Name:	PRUDENTIAL OVERALL SUPPLY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1990-03-27 00:00:00.0
Handler Name:	PRUDENTIAL OVERALL SUPPLY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	812332
NAICS Description:	INDUSTRIAL LAUNDERERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 MILPITAS BLVD.
City,State,Zip: MILPITAS, CA 95035
Lead Agency: SANTA CLARA COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608501825
Global Id: T0608501825
Latitude: 37.451115546
Longitude: -121.91257954
Status: Completed - Case Closed
Status Date: 11/20/2014
Case Worker: GOR
RB Case Number: 43s0797
Local Agency: SANTA CLARA COUNTY LOP
File Location: All Files are on GeoTracker or in the Local Agency Database
Local Case Number: 05S1E31M01f
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Diesel, Stoddard solvent / Mineral Spriits / Distillates
Site History: NOTE: GEOTRACKER DOES NOT CONTAIN THE COMPLETE CASE FILE. The LUFT case file is available for review at http://lustop.sccgov.org/files/05S1E31M01f/ NOTE: the Regional Water Quality Control Board has a file for this case as well and the case number is 43s0797. Please contact the RWQCB in Oakland to review these documents. This case is for a PCE plume in groundwater. During March-April 2012 groundwater sampling event TPH-gasoline and TPH-stoddard slvent were detected above MCLs and ESLs in groundwater. BTEX compounds, cis-1,2-DCE. TCE, and PCE were also detected in select wells at concentrations exceed ing their respective ESLs. Highest concentrations of TCE, PCE and cis-1,2-DCE are reported in the interceptor trench along the downgradient portion of the site. No sampling has been conducted beyond this point since 1996. As of March 2013 remediation is still ongoing.

LUST:
Global Id: T0608501825
Contact Type: Local Agency Caseworker
Contact Name: Gerald O'Regan
Organization Name: SANTA CLARA COUNTY LOP
Address: 1555 BERGER DRIVE STE 300
City: SAN JOSE
Email: gerald.o'regan@deh.sccgov.org
Phone Number: Not reported

Global Id: T0608501825
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Phone Number: Not reported

LUST:

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 02/23/1996
Action: 13267 Requirement - #43S0797

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/26/1998
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 10/18/1989
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608501825
Action Type: RESPONSE
Date: 02/25/1987
Action: Unauthorized Release Form

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/19/2003
Action: Monitoring Report - Annually

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/17/1996
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 10/30/1985
Action: Soil and Water Investigation Report

Global Id: T0608501825
Action Type: RESPONSE
Date: 12/31/1994
Action: Interim Remedial Action Report

Global Id: T0608501825
Action Type: RESPONSE
Date: 03/08/1990
Action: Other Workplan

Global Id: T0608501825
Action Type: RESPONSE
Date: 03/26/1990
Action: Other Workplan

Global Id: T0608501825
Action Type: RESPONSE
Date: 01/13/1995
Action: Interim Remedial Action Report

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 05/19/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/31/2011
Action: Monitoring Report - Annually

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/29/1991
Action: Other Report / Document

Global Id: T0608501825
Action Type: RESPONSE
Date: 08/28/1989
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 08/31/1996
Action: Staff Letter - #18211

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 02/28/1997
Action: Notice of Responsibility - #39219

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 01/15/1999
Action: Staff Letter - #18221

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 05/22/2000
Action: Staff Letter - #18227

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 04/30/2003
Action: Staff Letter - #43783

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 10/28/2010
Action: Staff Letter

Global Id: T0608501825
Action Type: Other
Date: 12/19/1985
Action: Leak Discovery

Global Id: T0608501825
Action Type: RESPONSE

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Date: 05/31/2011
Action: Monitoring Report - Annually

Global Id: T0608501825
Action Type: RESPONSE
Date: 06/17/2002
Action: Remedial Progress Report

Global Id: T0608501825
Action Type: RESPONSE
Date: 07/29/2014
Action: Request for Closure - Regulator Responded

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 02/14/2012
Action: Staff Letter

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 04/10/2012
Action: Staff Letter

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/31/2012
Action: Monitoring Report - Annually

Global Id: T0608501825
Action Type: REMEDIATION
Date: 03/20/1996
Action: Pump & Treat (P&T) Groundwater

Global Id: T0608501825
Action Type: REMEDIATION
Date: 11/01/2000
Action: Free Product Removal

Global Id: T0608501825
Action Type: Other
Date: 06/14/1990
Action: Leak Stopped

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/31/2012
Action: Conceptual Site Model

Global Id: T0608501825
Action Type: RESPONSE
Date: 07/14/2000
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 05/08/2012
Action: Staff Letter

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 11/04/2013
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 11/04/2013
Action: Clean Up Fund - Letter to RP

Global Id: T0608501825
Action Type: Other
Date: 08/27/1997
Action: Leak Reported

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 01/24/2014
Action: Staff Letter

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 11/20/2014
Action: Closure/No Further Action Letter

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 05/01/2014
Action: State Water Board Closure Order

Global Id: T0608501825
Action Type: RESPONSE
Date: 10/15/1996
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 01/15/1997
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 07/15/1997
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 04/15/2000
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Date: 03/09/1999
Action: Other Report / Document

Global Id: T0608501825
Action Type: RESPONSE
Date: 10/15/1997
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 12/19/2014
Action: Letter - Notice

Global Id: T0608501825
Action Type: ENFORCEMENT
Date: 05/13/2005
Action: Other Report

Global Id: T0608501825
Action Type: RESPONSE
Date: 04/15/1998
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 01/01/1997
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 01/01/2012
Action: Correspondence

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/31/2012
Action: Correspondence

Global Id: T0608501825
Action Type: RESPONSE
Date: 10/16/2001
Action: Correspondence

Global Id: T0608501825
Action Type: RESPONSE
Date: 12/23/1991
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608501825
Action Type: RESPONSE
Date: 06/26/2002
Action: Other Report / Document

Global Id: T0608501825
Action Type: RESPONSE
Date: 11/13/2014
Action: Correspondence

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Global Id:	T0608501825
Action Type:	RESPONSE
Date:	10/01/1989
Action:	Site Assessment Report
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	12/11/1996
Action:	Other Report / Document
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	06/04/2010
Action:	Monitoring Report - Annually
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	05/28/2015
Action:	Monitoring Report - Annually
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	01/01/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	04/15/2014
Action:	Monitoring Report - Annually
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	06/17/2002
Action:	Monitoring Report - Annually
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	05/16/2001
Action:	Monitoring Report - Annually
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	04/25/2000
Action:	Monitoring Report - Annually
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	01/01/1995
Action:	Monitoring Report - Quarterly
Global Id:	T0608501825
Action Type:	RESPONSE
Date:	08/28/1989
Action:	Soil and Water Investigation Report
Global Id:	T0608501825
Action Type:	RESPONSE

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Date: 04/30/2001
Action: Site Assessment Report

Global Id: T0608501825
Action Type: RESPONSE
Date: 03/19/2004
Action: Monitoring Report - Annually

Global Id: T0608501825
Action Type: RESPONSE
Date: 10/15/1993
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 05/29/1991
Action: Unauthorized Release Form

Global Id: T0608501825
Action Type: RESPONSE
Date: 04/09/1999
Action: Monitoring Report - Annually

Global Id: T0608501825
Action Type: RESPONSE
Date: 01/01/1994
Action: Monitoring Report - Quarterly

Global Id: T0608501825
Action Type: RESPONSE
Date: 02/20/1992
Action: Other Report / Document

LUST:
Global Id: T0608501825
Status: Open - Case Begin Date
Status Date: 09/28/1985

Global Id: T0608501825
Status: Open - Site Assessment
Status Date: 09/28/1985

Global Id: T0608501825
Status: Open - Site Assessment
Status Date: 11/01/1990

Global Id: T0608501825
Status: Open - Remediation
Status Date: 12/01/1995

Global Id: T0608501825
Status: Open - Eligible for Closure
Status Date: 08/15/2013

Global Id: T0608501825
Status: Completed - Case Closed
Status Date: 11/20/2014

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Remedial action (cleanup) Underway
Case Number: 05S1E31M01f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 9/28/1985
Pollution Characterization Began: 11/1/1990
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 12/1/1995
Date Post Remedial Action Monitoring Began: Not reported

LUST SANTA CLARA:
Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 N MILPITAS BLVD
City,State,Zip: MILPITAS, CA
Region: SANTA CLARA
SCVWD ID: 05S1E31M01F
Date Closed: Not reported
EDR Link ID: 05S1E31M01F

SLIC REG 2:
Region: 2
Facility ID: SLT2O107113
Facility Status: Leak being confirmed
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST LUST SANTA CLARA:
Name: Prudential Overall Supply
Address: 1429 N Milpitas Blvd
City: Milpitas
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 05S1E31M01
Oversite Agency: SCCDEH
Date Listed: 1998-01-01 00:00:00
Closed Date: Not reported

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

SWEEPS UST:

Name:	PRUDENTIAL OVERALL SUPPLY
Address:	1429 N MILPITAS BLVD
City:	MILPITAS
Status:	Not reported
Comp Number:	1802
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	43-011-001802-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	8

Name:	PRUDENTIAL OVERALL SUPPLY
Address:	1429 N MILPITAS BLVD
City:	MILPITAS
Status:	Not reported
Comp Number:	1802
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	43-011-001802-000002
Tank Status:	Not reported
Capacity:	1500
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	PRUDENTIAL OVERALL SUPPLY
Address:	1429 N MILPITAS BLVD
City:	MILPITAS
Status:	Not reported
Comp Number:	1802
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	43-011-001802-000003
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	UNKNOWN

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 N MILPITAS BLVD
City: MILPITAS
Status: Not reported
Comp Number: 1802
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 43-011-001802-000004
Tank Status: Not reported
Capacity: 1500
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 N MILPITAS BLVD
City: MILPITAS
Status: Not reported
Comp Number: 1802
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 43-011-001802-000005
Tank Status: Not reported
Capacity: 1500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 N MILPITAS BLVD
City: MILPITAS
Status: Not reported
Comp Number: 1802
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 43-011-001802-000006
Tank Status: Not reported

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Capacity: 10000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 N MILPITAS BLVD
City: MILPITAS
Status: Not reported
Comp Number: 1802
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 43-011-001802-000007
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 N MILPITAS BLVD
City: MILPITAS
Status: Not reported
Comp Number: 1802
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 43-011-001802-000008
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 N MILPITAS BLVD
City,State,Zip: MILPITAS, CA 95035
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000001802
Facility Type: Other
Other Type: INDUSTRIAL LAUNDRY

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Contact Name:	DALE NESBITT-PLT. SUPERINTENDE
Telephone:	4082633464
Owner Name:	PRUDENTIAL OVERALL SUPPLY
Owner Address:	1661 ALTON AV
Owner City,St,Zip:	IRVINE, CA 92714
Total Tanks:	0008
Tank Num:	001
Container Num:	1
Year Installed:	1983
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1971
Tank Capacity:	00001500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	1971
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	4
Year Installed:	1971
Tank Capacity:	00001500
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	005
Container Num:	5
Year Installed:	1971
Tank Capacity:	00001500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	6
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 007
Container Num: 7
Year Installed: 1971
Tank Capacity: 00002000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 008
Container Num: 8
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

CA FID UST:
Facility ID: 43003821
Regulated By: UTNKA
Regulated ID: 00001802
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4082633464
Mail To: Not reported
Mailing Address: 1429 N MILPITAS BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: MILPITAS 95035
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

FINDS:
Registry ID: 110001199122

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

STATE MASTER

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000187293
Registry ID:	110001199122
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001199122
Name:	PRUDENTIAL OVERALL SUPPLY
Address:	1429 N MILPITAS BLVD
City,State,Zip:	MILPITAS, CA 95035

CORTESE:

Name:	PRUDENTIAL OVERALL SUPPLY
Address:	1429 MILPITAS BLVD.
City,State,Zip:	MILPITAS, CA 95035
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608501825
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	PRUDENTIAL OVERALL SUPPLY
Address:	1429 N MILPITAS BLVD
City,State,Zip:	MILPITAS, CA
Year:	1987
County Code:	43
Air Basin:	SF
Facility ID:	564
Air District Name:	BA
SIC Code:	7218
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	49
Reactive Organic Gases Tons/Yr:	49
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 N MILPITAS BLVD
City,State,Zip: MILPITAS, CA
Year: 1990
County Code: 43
Air Basin: SF
Facility ID: 564
Air District Name: BA
SIC Code: 7216
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:
edr_fname: PRUDENTIAL OVERALL SUPPLY
edr_fadd1: 1429 MILPITAS
City,State,Zip: MILPITAS, CA 95035
Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 43-1940

CERS:
Name: PRUDENTIAL OVERALL SUPPLY
Address: 1429 MILPITAS BLVD.
City,State,Zip: MILPITAS, CA 95035
Site ID: 209984
CERS ID: T0608501825
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: Gerald O'Regan - SANTA CLARA COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1555 BERGER DRIVE STE 300
Affiliation City: SAN JOSE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA

PRUDENTIAL OVERALL SUPPLY (Continued) **1000187293**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

K50 **PRUDENTIAL OVERALL SUPPLY** **CPS-SLIC** **S117338855**
ENE **1429 MILPITAS BLVD N** **CERS** **N/A**
1/4-1/2 **MILPITAS, CA**
0.403 mi.
2130 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
18 ft.

CPS-SLIC:

Name:	PRUDENTIAL OVERALL SUPPLY
Address:	1429 MILPITAS BLVD N
City,State,Zip:	MILPITAS, CA
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	10/09/2014
Global Id:	SLT2O107113
Lead Agency:	SANTA CLARA COUNTY LOP
Lead Agency Case Number:	05S1E31M03s
Latitude:	37.451634627
Longitude:	-121.91267121
Case Type:	Cleanup Program Site
Case Worker:	GOR
Local Agency:	SANTA CLARA COUNTY LOP
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	PRUDENTIAL OVERALL SUPPLY
Address:	1429 MILPITAS BLVD N
City,State,Zip:	MILPITAS, CA
Site ID:	250178
CERS ID:	SLT2O107113
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	Gerald O'Regan - SANTA CLARA COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	1555 BERGER DRIVE STE 300
Affiliation City:	SAN JOSE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND

PRUDENTIAL OVERALL SUPPLY (Continued) **S117338855**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

L51 **BFI THE RECYCLERY** **SWF/LF** **S106833078**
NNW **1601 DIXON LANDING RD 1** **EMI** **N/A**
1/4-1/2 **SAN JOSE, CA 95134** **HAZMAT**
0.403 mi. **CERS**
2130 ft. **Site 1 of 2 in cluster L**

Relative: **Lower**
Actual: **8 ft.**

SWF/LF (SWIS):
Name: NEWBY ISLAND COMPOST FACILITY
Address: 1601 DIXON LANDING ROAD
City,State,Zip: SAN JOSE, CA
Facility ID: 43-AN-0017
Lat/Long: 37.4547 / -121.923
Owner Name: International Disposal Corporation
Owner Telephone: 4085862313
Owner Address: Not reported
Owner Address2: 1601 Dixon Landing Road
Owner City,St,Zip: Milpitas, CA 95035
Operational Status: Active
Operator: International Disposal Corporation
Operator Phone: 4085862313
Operator Address: Not reported
Operator Address2: 1601 Dixon Landing Road
Operator City,St,Zip: Milpitas, CA 95035
Permit Date: 01/08/2018
Permit Status: Permitted
Permitted Acreage: $18.00
Activity: Composting Facility (Green Waste)
Regulation Status: Permitted
Landuse Name: Industrial,Commercial
GIS Source: Map
Category: Composting
Unit Number: 01
Inspection Frequency: Monthly
Accepted Waste: Agricultural,Food Wastes,Green Materials
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 43-AN-0017
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 700
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 146600
Remaining Capacity: Not reported
Remaining Capacity with Units: Cubic Yards
Lat/Long: 37.4547 / -121.923

EMI:
Name: INTERNATIONAL DISPOSAL CORPORA
Address: 1601 DIXON LANDING RD
City,State,Zip: SAN JOSE, CA 95133

BFI THE RECYCLERY (Continued) **S106833078**

Year:	1998
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10766
Reactive Organic Gases Tons/Yr:	139
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	99
Part. Matter 10 Micrometers and Smllr Tons/Yr:	89

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 DIXON LANDING RD
City,State,Zip:	SAN JOSE, CA 95133
Year:	1999
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10945
Reactive Organic Gases Tons/Yr:	72
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	92
Part. Matter 10 Micrometers and Smllr Tons/Yr:	83

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 DIXON LANDING RD
City,State,Zip:	SAN JOSE, CA 95133
Year:	2000
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10945
Reactive Organic Gases Tons/Yr:	72
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	92
Part. Matter 10 Micrometers and Smllr Tons/Yr:	83

BFI THE RECYCLERY (Continued) **S106833078**

SAN JOSE HAZMAT:
Name: NEWBY ISLAND LANDFILL/SHOP
Address: 1601 DIXON LANDING RD
City,State,Zip: SAN JOSE, CA 95134
Region: SAN JOSE
File Num: 402400
Class: Misc. Complex firms and labs

Name: OUT OF BUSINESS
Address: 1601 DIXON LANDING RD 2
City,State,Zip: SAN JOSE, CA 95134
Region: SAN JOSE
File Num: 408376
Class: Misc. Complex firms and labs

Name: ALLIED WASTE SERVICES OF SANTA CLARA COU
Address: 1601 DIXON LANDING RD 3
City,State,Zip: SAN JOSE, CA 95035
Region: SAN JOSE
File Num: 410476
Class: Misc. Complex firms and labs

Name: BFI THE RECYCLERY
Address: 1601 DIXON LANDING RD 1
City,State,Zip: SAN JOSE, CA 95134
Region: SAN JOSE
File Num: 402083
Class: Misc. Complex firms and labs

CERS:
Name: NEWBY ISLAND COMPOST FACILITY
Address: 1601 DIXON LANDING ROAD
City,State,Zip: SAN JOSE, CA
Site ID: 510440
CERS ID: 43-AN-0017
CERS Description: Solid Waste and Recycle Sites

Affiliation:
Affiliation Type Desc: Legal Operator
Entity Name: International Disposal Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Milpitas
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95035
Affiliation Phone: 4085862313

Affiliation Type Desc: Legal Owner
Entity Name: International Disposal Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Milpitas
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95035
Affiliation Phone: 4085862313

L52 **BFI NEWBY ISLAND RECYCLERY** **SWF/LF** **S107030407**
NNW **1601 DIXON LANDING ROAD** **CERS** **N/A**
1/4-1/2 **SAN JOSE, CA**
0.403 mi.
2130 ft. **Site 2 of 2 in cluster L**

Relative:
Lower

Actual:
8 ft.

SWF/LF (SWIS):

Name:	BFI NEWBY ISLAND RECYCLERY
Address:	1601 DIXON LANDING ROAD
City,State,Zip:	SAN JOSE, CA
Facility ID:	43-AN-0014
Lat/Long:	37.4547 / -121.923
Owner Name:	Los Esteros Ranch, LLC
Owner Telephone:	6503470796
Owner Address:	Will Oswald
Owner Address2:	1125 N. Amphlett Blvd.
Owner City,St,Zip:	San Mateo, CA 94401
Operational Status:	Active
Operator:	Browning-Ferris Industries of California
Operator Phone:	4082621401
Operator Address:	Brian J. Ezyk
Operator Address2:	1601 Dixon Landing Rd.
Operator City,St,Zip:	Milpitas, CA 95035
Permit Date:	01/27/2016
Permit Status:	Permitted
Permitted Acreage:	$10.00
Activity:	Large Volume Transfer/Proc Facility
Regulation Status:	Permitted
Landuse Name:	Industrial
GIS Source:	Map
Category:	Transfer/Processing
Unit Number:	01
Inspection Frequency:	Monthly
Accepted Waste:	Construction/demolition,Green Materials,Industrial,Mixed municipal,Tires
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	43-AN-0014
Waste Discharge Requirement Num:	Not reported
Program Type:	MRF
Permitted Throughput with Units:	1600
Actual Throughput with Units:	Tons/day
Permitted Capacity with Units:	2500
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Tons/day
Lat/Long:	37.4547 / -121.923

CERS:

Name:	BFI NEWBY ISLAND RECYCLERY
Address:	1601 DIXON LANDING ROAD
City,State,Zip:	SAN JOSE, CA
Site ID:	507071
CERS ID:	43-AN-0014
CERS Description:	Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc:	Legal Operator
Entity Name:	Browning-Ferris Industries of California

BFI NEWBY ISLAND RECYCLERY (Continued) **S107030407**

Entity Title:	Not reported
Affiliation Address:	Brian J. Ezyk1601 Dixon Landing Rd.
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	4082621401
Affiliation Type Desc:	Legal Owner
Entity Name:	Los Esteros Ranch, LLC
Entity Title:	Not reported
Affiliation Address:	Will Oswald1125 N. Amphlett Blvd.
Affiliation City:	San Mateo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94401
Affiliation Phone:	6503470796

M53 **INTERNATIONAL DSPL CORP NEWBY IS LDFL** **SEMS-ARCHIVE** **1003878543**
NNW **FT OF DIXON LANDING RD W END** **CAD980637318**
1/4-1/2 **MILPITAS, CA 95035**
0.423 mi.
2232 ft. **Site 1 of 6 in cluster M**

Relative:
Lower

Actual:
6 ft.

SEMS Archive:

Site ID:	0901891
EPA ID:	CAD980637318
Name:	INTERNATIONAL DSPL CORP NEWBY IS LDFL
Address:	FT OF DIXON LANDING RD W END
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 95035
Cong District:	10
FIPS Code:	06085
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901891
EPA ID:	CAD980637318
Site Name:	INTERNATIONAL DSPL CORP NEWBY IS LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-09-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0901891
EPA ID:	CAD980637318
Site Name:	INTERNATIONAL DSPL CORP NEWBY IS LDFL

INTERNATIONAL DSPL CORP NEWBY IS LDFL (Continued) **1003878543**

NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1979-11-01 05:00:00
Finish Date:	1979-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901891
EPA ID:	CAD980637318
Site Name:	INTERNATIONAL DSPL CORP NEWBY IS LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1986-09-01 04:00:00
Finish Date:	1987-09-01 04:00:00
Qual:	N
Current Action Lead:	St Perf

N54 **PEPSI COLA WEST** **LUST** **S100278372**
NNE **1800 MILMONT DR** **HIST LUST** **N/A**
1/4-1/2 **MILPITAS, CA 95035** **HIST UST**
0.428 mi. **CHMIRS**
2261 ft. **Site 1 of 3 in cluster N** **Cortese**
HIST CORTESE
Relative: **CERS**
Higher

Actual: **16 ft.**

LUST:

Name:	PEPSI COLA WEST
Address:	1800 MILMONT DR
City,State,Zip:	MILPITAS, CA 95035
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608501775
Global Id:	T0608501775
Latitude:	37.4515
Longitude:	-121.9131
Status:	Completed - Case Closed
Status Date:	12/15/1995
Case Worker:	UUU
RB Case Number:	43-1848
Local Agency:	SANTA CLARA COUNTY LOP
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0608501775

PEPSI COLA WEST (Continued) **S100278372**

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0608501775
Contact Type: Local Agency Caseworker
Contact Name: UST CASE WORKER
Organization Name: SANTA CLARA COUNTY LOP
Address: 1555 Berger Drive, Suite 300
City: SAN JOSE
Email: Not reported
Phone Number: 4089183400

LUST:
Global Id: T0608501775
Action Type: Other
Date: 11/22/1993
Action: Leak Discovery

Global Id: T0608501775
Action Type: Other
Date: 11/22/1993
Action: Leak Stopped

Global Id: T0608501775
Action Type: ENFORCEMENT
Date: 10/13/1995
Action: Closure/No Further Action Letter

Global Id: T0608501775
Action Type: RESPONSE
Date: 12/09/1996
Action: Other Report / Document

Global Id: T0608501775
Action Type: Other
Date: 08/07/1995
Action: Leak Reported

LUST:
Global Id: T0608501775
Status: Open - Case Begin Date
Status Date: 11/22/1993

Global Id: T0608501775
Status: Open - Site Assessment
Status Date: 08/08/1995

Global Id: T0608501775
Status: Completed - Case Closed
Status Date: 12/15/1995

PEPSI COLA WEST (Continued) **S100278372**

LUST REG 2:

Region:	2
Facility Id:	43-1848
Facility Status:	Case Closed
Case Number:	05S1W36H01
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	8/8/1995
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

LUST SANTA CLARA:

Name:	PEPSI COLA WEST
Address:	1800 MILMONT DR
City,State,Zip:	MILPITAS, CA
Region:	SANTA CLARA
SCVWD ID:	05S1W36H01F
Date Closed:	10/13/1995
EDR Link ID:	05S1W36H01F

HIST LUST SANTA CLARA:

Name:	Pepsi Cola West
Address:	1800 Milmont Dr
City:	Milpitas
Region:	SANTA CLARA
Region Code:	2
SCVWD ID:	05S1W36H01
Oversite Agency:	SFRWQCB
Date Listed:	1996-03-07 00:00:00
Closed Date:	1995-10-13 00:00:00

HIST UST:

Name:	PEPSI COLA BOTTLING COMPANY
Address:	1800 MILMONT DRIVE
City,State,Zip:	MILPITAS, CA 95035
File Number:	0002067E
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002067E.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported

PEPSI COLA WEST (Continued) **S100278372**

Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CHMIRS:

Name:	Not reported
Address:	1800 MILMONT
City,State,Zip:	MILPITAS, CA 95035
OES Incident Number:	119959
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**24-OCT-91**
Property Use:	600
Agency Id Number:	43030
Agency Incident Number:	UNKNOWN
Time Notified:	727
Time Completed:	0
Surrounding Area:	931
Estimated Temperature:	60
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	CAPT. JACK EGGLESTON 19C3
Report Date:	24-OCT-91
Facility Telephone:	408 942-2383
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	24-OCT-91
Admin Agency:	Not reported

PEPSI COLA WEST (Continued) **S100278372**

Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	07-AUG-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

CORTESE:

Name:	PEPSI COLA WEST
Address:	1800 MILMONT DR
City,State,Zip:	MILPITAS, CA 95035
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608501775
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	PEPSI COLA WEST
edr_fadd1:	1800 MILMONT
City,State,Zip:	MILPITAS, CA 95035
Region:	CORTESE
Facility County Code:	43
Reg By:	LTNKA

PEPSI COLA WEST (Continued) **S100278372**

Reg Id: 43-1848

CERS:
Name: PEPSI COLA WEST
Address: 1800 MILMONT DR
City,State,Zip: MILPITAS, CA 95035
Site ID: 226604
CERS ID: T0608501775
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: UST CASE WORKER - SANTA CLARA COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: SAN JOSE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 4089183400

N55 **1800 MILMONT DRIVE PROPERTY** **CPS-SLIC** **S101441427**
NNE **1800 MILMONT DR** **N/A**
1/4-1/2 **MILPITAS, CA 95035**
0.428 mi.
2261 ft. **Site 2 of 3 in cluster N**

Relative:
Higher

Actual:
16 ft.

SLIC REG 2:
Region: 2
Facility ID: 43S0448
Facility Status: Preliminary site assessment workplan submitted
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: 4/24/1995
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

N56 **FORD CLEANERS** **CPS-SLIC** **S103964703**
NNE **1822 MILMONT DR** **CUPA Listings** **N/A**
1/4-1/2 **MILPITAS, CA 95035** **DRYCLEANERS**
0.431 mi. **HAZNET**
2277 ft. **Site 3 of 3 in cluster N** **HWTS**

Relative: Higher

Actual: 16 ft.

CPS-SLIC:

Name:	FORD CLEANERS
Address:	1822 MILMONT DRIVE
City,State,Zip:	MILPITAS, CA 95035
Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	04/02/2019
Global Id:	T10000003689
Lead Agency:	SANTA CLARA COUNTY LOP
Lead Agency Case Number:	05S1W36H02s
Latitude:	37.45528892
Longitude:	-121.91618443
Case Type:	Cleanup Program Site
Case Worker:	GOR
Local Agency:	SANTA CLARA COUNTY LOP
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	A Phase II investigation conducted in 2008 reported PCE and its break down products in soil, groundwater and soil gas samples. The report was not submitted to this agency until 2012.

Click here to access the California GeoTracker records for this facility:

CUPA SANTA CLARA:

Name:	FORD CLEANERS
Address:	1822 MILMONT DR
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2202
Program Description:	GENERATES < 100 KG/YR
Latitude:	37.455284
Longitude:	-121.916586
Record ID:	PR0317675
Facility ID:	FA0202567

Name:	FORD CLEANERS
Address:	1822 MILMONT DR
City,State,Zip:	MILPITAS, CA 95035
Region:	SANTA CLARA
PE#:	2205
Program Description:	GENERATES 100 KG YR TO <5 TONS/YR
Latitude:	37.455284
Longitude:	-121.916586
Record ID:	PR0387432
Facility ID:	FA0263049

DRYCLEANERS:

Name:	FORD CLEANERS
Address:	1822 MILMONT DR
City,State,Zip:	MILPITAS, CA 950352512

FORD CLEANERS (Continued) **S103964703**

EPA Id:	CAL000082975
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	06/29/1993
Facility Active:	No
Inactive Date:	04/06/2007
Facility Addr2:	Not reported
Owner Name:	YOUNGKIL HWANG
Owner Address:	1822 MILMONT DR
Owner Address 2:	Not reported
Owner Telephone:	4085868547
Contact Name:	INACT PER FEE FORM 9/95 AD
Contact Address:	--
Contact Address 2:	Not reported
Contact Telephone:	4085868547
Mailing Name:	Not reported
Mailing Address 1:	1822 MILMONT DR
Mailing Address 2:	Not reported
Mailing City:	MILPITAS
Mailing State:	CA
Mailing Zip:	950352512
Owner Fax:	Not reported
Region Code:	2

Name:	FORD CLEANERS
Address:	1822 MILMONT RD
City,State,Zip:	MILPITAS, CA 950350000
EPA Id:	CAL000219768
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	06/26/2000
Facility Active:	No
Inactive Date:	06/30/2002
Facility Addr2:	Not reported
Owner Name:	YOUNG KIL HWANG
Owner Address:	1822 MILMONT DR
Owner Address 2:	Not reported
Owner Telephone:	4089423366
Contact Name:	YOUNG KIL HWANG/OWNER
Contact Address:	1822 MILMONT RD
Contact Address 2:	Not reported
Contact Telephone:	4089423366
Mailing Name:	Not reported
Mailing Address 1:	1822 MILMONT RD
Mailing Address 2:	Not reported
Mailing City:	MILPITAS
Mailing State:	CA
Mailing Zip:	950350000
Owner Fax:	Not reported
Region Code:	2

Name:	DKYH ENTERPRISE INC DBA FORD CLEANERS
Address:	1822 MILMONT DR

FORD CLEANERS (Continued) **S103964703**

City,State,Zip:	MILPITAS, CA 950352515
EPA Id:	CAL000318427
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	04/09/2007
Facility Active:	No
Inactive Date:	06/30/2017
Facility Addr2:	Not reported
Owner Name:	DKYH ENTERPRISE INC
Owner Address:	1822 MILMONT DR
Owner Address 2:	Not reported
Owner Telephone:	4084823462
Contact Name:	YOOMEE HWANG
Contact Address:	1822 MILMONT DR
Contact Address 2:	Not reported
Contact Telephone:	4084823462
Mailing Name:	Not reported
Mailing Address 1:	1822 MILMONT DR
Mailing Address 2:	Not reported
Mailing City:	MILPITAS
Mailing State:	CA
Mailing Zip:	950352515
Owner Fax:	Not reported
Region Code:	2

HAZNET:

Name:	FORD CLEANERS
Address:	1822 MILMONT DR
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950352512
Contact:	INACT PER FEE FORM 9/95 AD
Telephone:	4085868547
Mailing Name:	Not reported
Mailing Address:	1822 MILMONT DR
Year:	2003
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	Not reported
Year:	2003
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.1251
Year:	2003
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	751 - Solids or sludges with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	-

FORD CLEANERS (Continued) **S103964703**

Tons:	Not reported
Year:	2002
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.2502
Year:	2002
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	Not reported
Year:	2002
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	-
Tons:	Not reported
Year:	2002
Gepaid:	CAL000082975
TSD EPA ID:	CAD981397417
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H01 - Transfer Station
Tons:	0.05004
Year:	2001
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	0
Year:	2001
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.4586
Year:	2001
Gepaid:	CAL000082975
TSD EPA ID:	CAT080014079
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	-
Tons:	0

Click this hyperlink while viewing on your computer to access
10 additional CA HAZNET: record(s) in the EDR Site Report.

FORD CLEANERS (Continued) **S103964703**

Additional Info:

Year:	1999
Gen EPA ID:	CAL000082975
Shipment Date:	19991028
Creation Date:	5/1/2000 0:00:00
Receipt Date:	19991112
Manifest ID:	99309839
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD076548635
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991028
Creation Date:	5/1/2000 0:00:00
Receipt Date:	19991112
Manifest ID:	99309839
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD076548635
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0708
Waste Quantity:	17
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990911
Creation Date:	5/1/2000 0:00:00
Receipt Date:	19990921
Manifest ID:	99483949

FORD CLEANERS (Continued) **S103964703**

Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD076548635
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0667
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990911
Creation Date:	5/1/2000 0:00:00
Receipt Date:	19990921
Manifest ID:	99483949
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD076548635
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990708
Creation Date:	12/16/1999 0:00:00
Receipt Date:	19990720
Manifest ID:	99093464
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

FORD CLEANERS (Continued) **S103964703**

Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.075
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990708
Creation Date:	12/16/1999 0:00:00
Receipt Date:	19990720
Manifest ID:	99093464
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990430
Creation Date:	9/1/1999 0:00:00
Receipt Date:	19990510
Manifest ID:	99297433
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD076548635
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported

FORD CLEANERS (Continued) **S103964703**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990430
Creation Date:	9/1/1999 0:00:00
Receipt Date:	19990510
Manifest ID:	99297433
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD076548635
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1125
Waste Quantity:	27
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990105
Creation Date:	4/5/1999 0:00:00
Receipt Date:	19990117
Manifest ID:	98829402
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000030841
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1042
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000082975

FORD CLEANERS (Continued) **S103964703**

Shipment Date:	20011102
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011105
Manifest ID:	21184713
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011102
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011105
Manifest ID:	21184713
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011102
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011105
Manifest ID:	21184713
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079

FORD CLEANERS (Continued) **S103964703**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010430
Creation Date:	7/10/2001 0:00:00
Receipt Date:	20010501
Manifest ID:	20780349
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010430
Creation Date:	7/10/2001 0:00:00
Receipt Date:	20010501
Manifest ID:	20780349
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported

FORD CLEANERS (Continued) **S103964703**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000082975
Shipment Date:	20021002
Creation Date:	2/11/2003 18:31:24
Receipt Date:	20021007
Manifest ID:	21817460
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021002
Creation Date:	2/11/2003 18:31:24
Receipt Date:	20021007
Manifest ID:	21817460
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

FORD CLEANERS (Continued) **S103964703**

Shipment Date:	20021002
Creation Date:	2/11/2003 18:31:24
Receipt Date:	20021007
Manifest ID:	21817460
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020416
Creation Date:	1/8/2003 18:31:12
Receipt Date:	20020424
Manifest ID:	21712756
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020416
Creation Date:	1/8/2003 18:31:12
Receipt Date:	20020424
Manifest ID:	21712756
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079

FORD CLEANERS (Continued) **S103964703**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020416
Creation Date:	1/8/2003 18:31:12
Receipt Date:	20020424
Manifest ID:	21712756
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020314
Creation Date:	3/4/2003 18:31:10
Receipt Date:	Not reported
Manifest ID:	20216496
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	Not reported
Waste Quantity:	Not reported

FORD CLEANERS (Continued) **S103964703**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020314
Creation Date:	3/4/2003 18:31:10
Receipt Date:	Not reported
Manifest ID:	20216496
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000082975
Shipment Date:	19981012
Creation Date:	1/21/1999 0:00:00
Receipt Date:	19981015
Manifest ID:	98442600
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

FORD CLEANERS (Continued) **S103964703**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981012
Creation Date:	1/21/1999 0:00:00
Receipt Date:	19981015
Manifest ID:	98442600
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1042
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980708
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980710
Manifest ID:	98112523
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980708
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980710
Manifest ID:	98112523
Trans EPA ID:	CAR000030841

FORD CLEANERS (Continued) **S103964703**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0708
Waste Quantity:	17
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAL000082975
Shipment Date:	20001221
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001221
Manifest ID:	20780046
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001221
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001221
Manifest ID:	20780046
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

FORD CLEANERS (Continued) **S103964703**

TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1084
Waste Quantity:	26
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000811
Creation Date:	9/25/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	20150655
Trans EPA ID:	CAL000072733
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000811
Creation Date:	9/25/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	20150655
Trans EPA ID:	CAL000072733
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002

FORD CLEANERS (Continued) **S103964703**

Meth Code:	- Not reported
Quantity Tons:	0.0875
Waste Quantity:	21
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000519
Creation Date:	3/4/2003 18:31:10
Receipt Date:	Not reported
Manifest ID:	20163246
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000519
Creation Date:	3/4/2003 18:31:10
Receipt Date:	Not reported
Manifest ID:	20163246
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.07089
Waste Quantity:	17
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

FORD CLEANERS (Continued) **S103964703**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000119
Creation Date:	8/9/2000 0:00:00
Receipt Date:	20000207
Manifest ID:	99704988
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD076548635
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000119
Creation Date:	8/9/2000 0:00:00
Receipt Date:	20000207
Manifest ID:	99704988
Trans EPA ID:	CAR000030841
Trans Name:	Not reported
Trans 2 EPA ID:	CAD076548635
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000082975
Shipment Date:	20030326

FORD CLEANERS (Continued) **S103964703**

Creation Date:	6/12/2003 18:31:05
Receipt Date:	20030331
Manifest ID:	22007824
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	751 - Solids or sludge with halogenated organic comp. > 1000 mg/kg
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030326
Creation Date:	6/12/2003 18:31:05
Receipt Date:	20030331
Manifest ID:	22007824
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030326
Creation Date:	6/12/2003 18:31:05
Receipt Date:	20030331
Manifest ID:	22007824
Trans EPA ID:	CAR000086777
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported

FORD CLEANERS (Continued) **S103964703**

TSDF Alt EPA ID: CAT080014079
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.1251
Waste Quantity: 30
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: FORD CLEANERS
Address: 1822 MILMONT DR
Address 2: Not reported
City,State,Zip: MILPITAS, CA 950352512
EPA ID: CAL000082975
Inactive Date: 04/06/2007
Create Date: 06/29/1993
Last Act Date: 04/09/2007
Mailing Name: Not reported
Mailing Address: 1822 MILMONT DR
Mailing Address 2: Not reported
Mailing City,State,Zip: MILPITAS, CA 950352512
Owner Name: YOUNGKIL HWANG
Owner Address: 1822 MILMONT DR
Owner Address 2: Not reported
Owner City,State,Zip: MILPITAS, CA 950350000
Contact Name: INACT PER FEE FORM 9/95 AD
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: MILPITAS, CA 950350000

NAICS:
EPA ID: CAL000082975
Create Date: 2004-02-05 07:43:56.000
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date: 1993-06-29 00:00:00
Inactive Date: 2007-04-06 00:00:00
Facility Name: FORD CLEANERS
Facility Address: 1822 MILMONT DR
Facility Address 2: Not reported
Facility City: MILPITAS
Facility County: Not reported
Facility State: CA
Facility Zip: 950352512

Name: FORD CLEANERS
Address: 1822 MILMONT RD
Address 2: Not reported
City,State,Zip: MILPITAS, CA 950350000
EPA ID: CAL000219768

FORD CLEANERS (Continued) **S103964703**

Inactive Date:	06/30/2002
Create Date:	06/26/2000
Last Act Date:	04/24/2003
Mailing Name:	Not reported
Mailing Address:	1822 MILMONT RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MILPITAS, CA 950350000
Owner Name:	YOUNG KIL HWANG
Owner Address:	1822 MILMONT DR
Owner Address 2:	Not reported
Owner City,State,Zip:	MILPITAS, CA 950350000
Contact Name:	YOUNG KIL HWANG/OWNER
Contact Address:	1822 MILMONT RD
Contact Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950350000

NAICS:

EPA ID:	CAL000219768
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date:	2000-06-26 00:00:00
Inactive Date:	2002-06-30 00:00:00
Facility Name:	FORD CLEANERS
Facility Address:	1822 MILMONT RD
Facility Address 2:	Not reported
Facility City:	MILPITAS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	950350000

Name:	DKYH ENTERPRISE INC DBA FORD CLEANERS
Address:	1822 MILMONT DR
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950352515
EPA ID:	CAL000318427
Inactive Date:	06/30/2017
Create Date:	04/09/2007
Last Act Date:	12/30/2016
Mailing Name:	Not reported
Mailing Address:	1822 MILMONT DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MILPITAS, CA 950352515
Owner Name:	DKYH ENTERPRISE INC
Owner Address:	1822 MILMONT DR
Owner Address 2:	Not reported
Owner City,State,Zip:	MILPITAS, CA 950352515
Contact Name:	YOOMEE HWANG
Contact Address:	1822 MILMONT DR
Contact Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 95035

NAICS:

EPA ID:	CAL000318427
Create Date:	2007-04-09 07:24:49.960
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)

FORD CLEANERS (Continued) **S103964703**

Issued EPA ID Date:	2007-04-09 07:24:49.92700
Inactive Date:	2017-06-30 00:00:00
Facility Name:	DKYH ENTERPRISE INC DBA FORD CLEANERS
Facility Address:	1822 MILMONT DR
Facility Address 2:	Not reported
Facility City:	MILPITAS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	950352515

O57 **DBA TARGET MASTERS WEST** **RESPONSE** **S123638747**
East **122 MINNIS CIR** **ENVIROSTOR** **N/A**
1/4-1/2 **MILPITAS, CA 95035** **Cortese**
0.457 mi. **HAZNET**
2414 ft. **Site 1 of 2 in cluster O** **HWTS**

Relative:
Higher

Actual:
18 ft.

RESPONSE:

Name:	TARGET MASTERS WEST
Address:	122 MINNIS CIRCLE
City,State,Zip:	MILPITAS, CA 95035
Facility ID:	60002853
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.1
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Juanita (Nina) Bacey
Supervisor:	Kimberly Walsh
Division Branch:	Cleanup Berkeley
Site Code:	202264
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	, 25
Senate:	, 10
Special Program Status:	Not reported
Status:	Active
Status Date:	07/01/2019
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	37.44864
Longitude:	-121.9115
APN:	NONE SPECIFIED
Past Use:	FIRING RANGE - SMALL ARMS ETC...
Potential COC :	Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	CSS, SOIL
Alias Name:	202264
Alias Type:	Project Code (Site Code)
Alias Name:	60002853
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	04/04/2019
Comments:	Investigation of Target Masters West.

DBA TARGET MASTERS WEST (Continued) **S123638747**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order
Completed Date:	12/02/2019
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	05/06/2019
Comments:	Investigation of Target Masters West roof top and within Minnis Circle Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/29/2020
Comments:	PRELIMINARY REMEDIAL INVESTIGATION WORK PLAN - Investigation of lead in soil and on asphalt surrounding the Site.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Schedule Due Date:	08/14/2020
Schedule Revised Date:	Not reported

ENVIROSTOR:

Name:	TARGET MASTERS WEST
Address:	122 MINNIS CIRCLE
City,State,Zip:	MILPITAS, CA 95035
Facility ID:	60002853
Status:	Active
Status Date:	07/01/2019
Site Code:	202264
Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	0.1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Juanita (Nina) Bacey
Supervisor:	Kimberly Walsh
Division Branch:	Cleanup Berkeley
Assembly:	, 25
Senate:	, 10
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.44864
Longitude:	-121.9115
APN:	NONE SPECIFIED
Past Use:	FIRING RANGE - SMALL ARMS ETC...

DBA TARGET MASTERS WEST (Continued) **S123638747**

Potential COC: Lead
Confirmed COC: NONE SPECIFIED
Potential Description: CSS, SOIL
Alias Name: 202264
Alias Type: Project Code (Site Code)
Alias Name: 60002853
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/04/2019
Comments: Investigation of Target Masters West.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 12/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/06/2019
Comments: Investigation of Target Masters West roof top and within Minnis Circle
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/29/2020
Comments: PRELIMINARY REMEDIAL INVESTIGATION WORK PLAN - Investigation of lead in soil and on asphalt surrounding the Site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Schedule Due Date: 08/14/2020
Schedule Revised Date: Not reported

CORTESE:
Name: TARGET MASTERS WEST
Address: 122 MINNIS CIRCLE
City,State,Zip: MILPITAS, CA 95035
Region: CORTESE
Envirostor Id: 60002853
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 07/01/2019
Site Code: 202264
Latitude: 37.448641

DBA TARGET MASTERS WEST (Continued) **S123638747**

Longitude:	-121.91154
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Haz Waste & Substances Sites

HAZNET:

Name:	DBA TARGET MASTERS WEST
Address:	122 MINNIS CIR
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 945510000
Contact:	WILLIAM D HESKETT
Telephone:	5107030811
Mailing Name:	Not reported
Mailing Address:	1655 PLACER CIRCLE
Year:	2019
Gepaid:	CAR000242578
TSD EPA ID:	CAT000646117
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.58250
Year:	2019
Gepaid:	CAR000242578
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.45870
Year:	2018
Gepaid:	CAR000242578
TSD EPA ID:	CAT000646117
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	3.44750
Year:	2017
Gepaid:	CAR000242578
TSD EPA ID:	CAT000646117
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	6.22
Year:	2016

DBA TARGET MASTERS WEST (Continued) **S123638747**

Gepaid: CAR000242578
TSD EPA ID: CAT000646117
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 3.7

Year: 2015
Gepaid: CAR000242578
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 3.495

Year: 2015
Gepaid: CAR000242578
TSD EPA ID: CAT000646117
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.25

Year: 2014
Gepaid: CAR000242578
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 5.0425

Year: 2013
Gepaid: CAR000242578
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.875

Additional Info:
Year: 2013
Gen EPA ID: CAR000242578

Shipment Date: 20131231
Creation Date: 5/17/2014 22:15:09
Receipt Date: 20140107
Manifest ID: 012208754JJK
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: CAR000189928
Trans 2 Name: NV TRANSPORT
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics

DBA TARGET MASTERS WEST (Continued) **S123638747**

RCRA Code: D008
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.875
Waste Quantity: 1750
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAR000242578

Shipment Date: 20151216
Creation Date: 5/24/2016 16:38:02
Receipt Date: 20151221
Manifest ID: 014911348JJK
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.25
Waste Quantity: 500
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151030
Creation Date: 5/4/2016 22:15:42
Receipt Date: 20151109
Manifest ID: 015056739JJK
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: CA0982030
Trans 2 Name: ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

DBA TARGET MASTERS WEST (Continued) **S123638747**

Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150805
Creation Date:	2/4/2016 22:16:03
Receipt Date:	20150818
Manifest ID:	014909010JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150701
Creation Date:	2/8/2016 22:17:34
Receipt Date:	20150710
Manifest ID:	014501466JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.595
Waste Quantity:	1190
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DBA TARGET MASTERS WEST (Continued) **S123638747**

Additional Code 5:	Not reported
Shipment Date:	20150527
Creation Date:	11/9/2015 22:15:07
Receipt Date:	20150605
Manifest ID:	014500529JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000165274
Trans 2 Name:	INTRINSIC TRANSPORTATION INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150402
Creation Date:	9/1/2015 22:15:10
Receipt Date:	20150407
Manifest ID:	014073393JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150213
Creation Date:	7/16/2015 22:15:08
Receipt Date:	20150226
Manifest ID:	013367775JJK
Trans EPA ID:	CAR000188201

DBA TARGET MASTERS WEST (Continued) **S123638747**

Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAR000242578
Shipment Date:	20171227
Creation Date:	8/20/2018 18:30:18
Receipt Date:	20171229
Manifest ID:	018138817JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171129
Creation Date:	6/13/2018 18:30:59
Receipt Date:	20171201
Manifest ID:	017998213JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

DBA TARGET MASTERS WEST (Continued) **S123638747**

TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.625
Waste Quantity:	1250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171030
Creation Date:	5/30/2018 18:33:39
Receipt Date:	20171103
Manifest ID:	017362410JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170928
Creation Date:	6/13/2018 18:31:35
Receipt Date:	20171006
Manifest ID:	017361925JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

DBA TARGET MASTERS WEST (Continued) **S123638747**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170831
Creation Date:	5/30/2018 18:32:48
Receipt Date:	20170912
Manifest ID:	017361169JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.875
Waste Quantity:	1750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170726
Creation Date:	6/20/2018 18:31:06
Receipt Date:	20170802
Manifest ID:	015817446JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.625
Waste Quantity:	1250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

DBA TARGET MASTERS WEST (Continued) **S123638747**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170628
Creation Date:	5/17/2018 18:32:00
Receipt Date:	20170707
Manifest ID:	015816713JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.535
Waste Quantity:	1070
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170531
Creation Date:	5/20/2018 18:32:00
Receipt Date:	20170609
Manifest ID:	017034134JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170418
Creation Date:	5/9/2018 18:32:31
Receipt Date:	20170426
Manifest ID:	017035307JJK

DBA TARGET MASTERS WEST (Continued) **S123638747**

Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.85
Waste Quantity:	1700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170215
Creation Date:	5/17/2017 18:31:22
Receipt Date:	20170217
Manifest ID:	016802922JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.71
Waste Quantity:	1420
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000242578

Shipment Date:	20141209
Creation Date:	5/7/2015 22:15:07
Receipt Date:	20141218
Manifest ID:	013367774JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928

DBA TARGET MASTERS WEST (Continued) **S123638747**

Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141021
Creation Date:	6/25/2015 22:15:29
Receipt Date:	20141103
Manifest ID:	013367772JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140926
Creation Date:	6/24/2015 22:15:33
Receipt Date:	20141006
Manifest ID:	013367381JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAL000397106
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008

DBA TARGET MASTERS WEST (Continued) **S123638747**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.625
Waste Quantity:	1250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140829
Creation Date:	2/9/2015 22:15:16
Receipt Date:	20140911
Manifest ID:	013366518JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAL000397106
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140731
Creation Date:	1/22/2015 22:14:45
Receipt Date:	20140811
Manifest ID:	013191307JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAL000397106
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DBA TARGET MASTERS WEST (Continued) **S123638747**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140619
Creation Date:	12/3/2014 22:15:08
Receipt Date:	20140702
Manifest ID:	013193236JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000216572
Trans 2 Name:	MG TRUCKING
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140429
Creation Date:	10/10/2014 22:15:06
Receipt Date:	20140508
Manifest ID:	012849598JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5975
Waste Quantity:	1195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140328
Creation Date:	8/19/2014 22:15:10
Receipt Date:	20140410

DBA TARGET MASTERS WEST (Continued) **S123638747**

Manifest ID:	012848694JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.72
Waste Quantity:	1440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140227
Creation Date:	7/24/2014 22:15:15
Receipt Date:	20140307
Manifest ID:	012378755JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140127
Creation Date:	7/20/2014 22:15:06
Receipt Date:	20140210
Manifest ID:	012379973JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY

DBA TARGET MASTERS WEST (Continued) **S123638747**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.875
Waste Quantity:	1750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAR000242578
Shipment Date:	20151216
Creation Date:	5/24/2016 16:38:02
Receipt Date:	20151221
Manifest ID:	014911348JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151030
Creation Date:	5/4/2016 22:15:42
Receipt Date:	20151109
Manifest ID:	015056739JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CA0982030
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics

DBA TARGET MASTERS WEST (Continued) **S123638747**

RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150805
Creation Date:	2/4/2016 22:16:03
Receipt Date:	20150818
Manifest ID:	014909010JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150701
Creation Date:	2/8/2016 22:17:34
Receipt Date:	20150710
Manifest ID:	014501466JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.595
Waste Quantity:	1190
Quantity Unit:	P
Additional Code 1:	Not reported

DBA TARGET MASTERS WEST (Continued) **S123638747**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150527
Creation Date:	11/9/2015 22:15:07
Receipt Date:	20150605
Manifest ID:	014500529JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000165274
Trans 2 Name:	INTRINSIC TRANSPORTATION INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150402
Creation Date:	9/1/2015 22:15:10
Receipt Date:	20150407
Manifest ID:	014073393JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150213
Creation Date:	7/16/2015 22:15:08

DBA TARGET MASTERS WEST (Continued) **S123638747**

Receipt Date:	20150226
Manifest ID:	013367775JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DBA TARGET MASTERS WEST
Address:	122 MINNIS CIR
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 950350000
EPA ID:	CAR000242578
Inactive Date:	Not reported
Create Date:	12/03/2013
Last Act Date:	08/04/2020
Mailing Name:	BILL HESKETT
Mailing Address:	1655 PLACER CIRCLE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LIVERMORE, CA 945510000
Owner Name:	MILPITAS SHOOTING RANGE INC
Owner Address:	1655 PLACER CIRCLE
Owner Address 2:	Not reported
Owner City,State,Zip:	LIVERMORE, CA 945510000
Contact Name:	WILLIAM D HESKETT
Contact Address:	1655 PLACER CIRCLE
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551

NAICS:

EPA ID:	CAR000242578
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	61161
NAICS Description:	Fine Arts Schools
Issued EPA ID Date:	2013-12-03 12:30:45
Inactive Date:	Not reported
Facility Name:	DBA TARGET MASTERS WEST
Facility Address:	122 MINNIS CIR
Facility Address 2:	Not reported
Facility City:	MILPITAS
Facility County:	Not reported

DBA TARGET MASTERS WEST (Continued) **S123638747**

Facility State:	CA
Facility Zip:	950350000
EPA ID:	CAR000242578
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	71399
NAICS Description:	All Other Amusement and Recreation Industries
Issued EPA ID Date:	2013-12-03 12:30:45
Inactive Date:	Not reported
Facility Name:	DBA TARGET MASTERS WEST
Facility Address:	122 MINNIS CIR
Facility Address 2:	Not reported
Facility City:	MILPITAS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	950350000

O58 **CBR CIRCUITS, INC.** **ENVIROSTOR** **S110493718**
East **116 MINNIS CIR** **N/A**
1/4-1/2 **MILPITAS, CA 95035**
0.458 mi.
2419 ft. **Site 2 of 2 in cluster O**

Relative: **Higher**

Actual: **18 ft.**

ENVIROSTOR:

Name:	CBR CIRCUITS, INC.
Address:	116 MINNIS CIR
City,State,Zip:	MILPITAS, CA 95035
Facility ID:	71002650
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Berkeley
Assembly:	25
Senate:	10
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.44919
Longitude:	-121.9110
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD098321326
Alias Type:	EPA Identification Number
Alias Name:	110000831306
Alias Type:	EPA (FRS #)

CBR CIRCUITS, INC. (Continued) **S110493718**

Alias Name: 71002650
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/27/2017
Comments: Letter from Santa Clara County re: Closure of Permit-by-Rule Units

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

M59 **KINGSFORD PRODUCTS COMPAN** **ENVIROSTOR** **S103959316**
NW **1601 DIXON LANDING** **LDS** **N/A**
1/4-1/2 **MILPITAS, CA 95035** **HIST CORTESE**
0.463 mi. **NPDES**
2442 ft. **Site 2 of 6 in cluster M** **PROC**
CIWQS
Relative: **CERS**
Lower

Actual: ENVIROSTOR:
6 ft.
Name: IDC OF CALIFORNIA INC
Address: 1601 DIXON LANDING ROAD
City,State,Zip: MILPITAS, CA 950350000
Facility ID: 80001840
Status: Inactive - Needs Evaluation
Status Date: 06/26/2009
Site Code: 200407
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 25
Senate: 10
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.45398
Longitude: -121.9287
APN: 015-47-001
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

Alias Name: 015-47-001
Alias Type: APN
Alias Name: CAT080012479
Alias Type: EPA Identification Number
Alias Name: 110006533117
Alias Type: EPA (FRS #)
Alias Name: 200407
Alias Type: Project Code (Site Code)
Alias Name: 43490006
Alias Type: Envirostor ID Number
Alias Name: 80001840
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: INTERNATIONAL DISPOSAL (BROWNING-FERRIS)
Address: 1601 DIXON LANDING ROAD
City,State,Zip: MILPITAS, CA 95035
Facility ID: 43490006
Status: Refer: Other Agency
Status Date: 01/16/1987
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 342
NPL: NO
Regulatory Agencies: IWMB, CITY OF SAN JOSE, SANTA CLARA COUNTY
Lead Agency: IWMB
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 25
Senate: 10
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.45561
Longitude: -121.9301
APN: 015-40-002
Past Use: LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, RECYCLING - OTHER
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

Potential Description: SOIL
Alias Name: BFI RECYCLING
Alias Type: Alternate Name
Alias Name: BROWNING-FERRIS - NEWBY ISLAND
Alias Type: Alternate Name
Alias Name: BROWNING-FERRIS INDUSTRIES
Alias Type: Alternate Name
Alias Name: BUENA ISLAND
Alias Type: Alternate Name
Alias Name: NEWBY ISLAND COMPOST FACILITY
Alias Type: Alternate Name
Alias Name: NEWBY ISLAND IMPROVEMENT CO
Alias Type: Alternate Name
Alias Name: NEWBY ISLAND SANITARY LANDFILL
Alias Type: Alternate Name
Alias Name: SAN JOSE SCAVENGER CO
Alias Type: Alternate Name
Alias Name: 015-40-002
Alias Type: APN
Alias Name: CAD980637318
Alias Type: EPA Identification Number
Alias Name: 43-AN-0014
Alias Type: HWTS Identification Code
Alias Name: 43-AN-0017
Alias Type: HWTS Identification Code
Alias Name: SWIS#:43-AN-0003
Alias Type: HWTS Identification Code
Alias Name: 43490006
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/12/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/20/1981
Comments: FACILITY IDENTIFIED SUPERFUND NOTIFICATION

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/16/1987
Comments: SITE SCREENING DONE SI RECOM BASED ON PA RECOMENDATION

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/17/2001
Comments: This is an active, permitted site under the California Integrated Waste Management Board, where it is inspected monthly and is monitored by Santa Clara County, as the Local Enforcement Agency.

Future Area Name: Not reported

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

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

LDS:
Name: NEWBY ISLAND LANDFILL
Address: 1601 DIXON LANDING
City,State,Zip: MILPITAS, CA 95035

Global Id: L10002276721
Latitude: 37.45924
Longitude: -121.9407
Case Type: Land Disposal Site
Status: Open - Operating
Status Date: 01/01/1965
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Caseworker: VP
Local Agency: Not reported
RB Case Number: 2 438047001
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: L10002276721
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: KINGSFORD PRODUCTS COMPAN
edr_fadd1: 1601 DIXON LANDING
City,State,Zip: MILPITAS, CA 95035
Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 43-0788

edr_fname: INTERNATIONAL DISPOSAL (B
edr_fadd1: 1601 DIXON LANDING
City,State,Zip: MILPITAS, CA 95035
Region: CORTESE
Facility County Code: 43
Reg By: CALSI
Reg Id: 43490006

NPDES:
Name: INT DISPOSAL CORP NEWBY ISLAND
Address: 1601 DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Facility Status: Not reported

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 01I006530
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/27/1992
Operator Name:	International Disposal Corp of California
Operator Address:	1601 Dixon Landing Rd
Operator City:	Milpitas
Operator State:	California
Operator Zip:	95035

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	183834
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 01I006530
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/27/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	International Disposal Corp of California
Discharge Address:	1601 Dixon Landing Rd
Discharge City:	Milpitas
Discharge State:	California
Discharge Zip:	95035
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	183834
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 01I006530
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/27/1992
Status:	Active
Status Date:	04/27/1992
Place Size:	352
Place Size Unit:	Acres
Contact:	William Schreeder
Contact Title:	Not reported
Contact Phone:	408-832-0309
Contact Phone Ext:	Not reported
Contact Email:	geofirmusa@netscape.net
Operator Name:	International Disposal Corp of California
Operator Address:	1601 Dixon Landing Rd
Operator City:	Milpitas
Operator State:	California
Operator Zip:	95035
Operator Contact:	Joshua Mills
Operator Contact Title:	Environmental Manager
Operator Contact Phone:	408-586-2312
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	JMills3@republicservices.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	408-262-1401
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Coyote Creek and Penitencia Creek

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

Certifier:	Michael McGourty
Certifier Title:	Environmental Manager
Certification Date:	26-JUN-15
Primary Sic:	4953-Refuse Systems
Secondary Sic:	5093-Scrap and Waste Materials
Tertiary Sic:	4212-Local Trucking Without Storage

Name:	INT DISPOSAL CORP NEWBY ISLAND
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	183834
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 01I006530
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/27/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1601 Dixon Landing Rd
Discharge Name:	International Disposal Corp of California
Discharge City:	Milpitas
Discharge State:	California
Discharge Zip:	95035
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	183834
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 01I006530
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/27/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	International Disposal Corp of California
Discharge Address:	1601 Dixon Landing Rd
Discharge City:	Milpitas
Discharge State:	California
Discharge Zip:	95035

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

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

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	183834
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 01I006530
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/27/1992
Status:	Active
Status Date:	04/27/1992
Place Size:	352
Place Size Unit:	Acres
Contact:	William Schreeder
Contact Title:	Not reported
Contact Phone:	408-832-0309
Contact Phone Ext:	Not reported
Contact Email:	geofirmusa@netscape.net
Operator Name:	International Disposal Corp of California
Operator Address:	1601 Dixon Landing Rd
Operator City:	Milpitas
Operator State:	California
Operator Zip:	95035
Operator Contact:	Joshua Mills
Operator Contact Title:	Environmental Manager
Operator Contact Phone:	408-586-2312
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	JMills3@republicservices.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	408-262-1401
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Coyote Creek and Penitencia Creek
Certifier:	Michael McGourty
Certifier Title:	Environmental Manager
Certification Date:	26-JUN-15
Primary Sic:	4953-Refuse Systems
Secondary Sic:	5093-Scrap and Waste Materials
Tertiary Sic:	4212-Local Trucking Without Storage

PROC:

Name:	BROWNING FERRIS INDUSTRIES THE RECYCLERY
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Reg Id:	27574
Cert Id:	PR0150
Organization Id:	Not reported
Organization Name:	Browning Ferris Industries of California Inc
Mailing Address:	1601 Dixon Landing Rd
Mailing City:	Milpitas
Mailing State:	CA
Mailing Zip Code:	95035
Website:	Not reported
Email:	Not reported
Phone Number:	(408) 586-2281
Rural:	N/A
Operation Begin Date:	01/01/1993
Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon - Fri 4:00 am - 5:00 pm; Sat 4:00 am - 12:30 pm; Sun Unknown

CIWQS:

Name:	INT DISPOSAL CORP NEWBY ISLAND
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Agency:	International Disposal Corp of California
Agency Address:	1601 Dixon Landing Rd, Milpitas, CA 95035
Place/Project Type:	Industrial - Refuse Systems
SIC/NAICS:	4953(+)
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

WDID:	2 01I006530
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/27/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	37.45485
Longitude:	-121.92592

Name:	INT DISPOSAL CORP NEWBY ISLAND
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Agency:	International Disposal Corporation of California
Agency Address:	1601 Dixon Landing Road, Milpitas , CA 95035
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	2
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	2 43C361565
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/01/2011
Termination Date:	02/28/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	37.45897
Longitude:	-121.94108

CERS:

Name:	INT DISPOSAL CORP NEWBY ISLAND
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Site ID:	534333
CERS ID:	635492
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	534333
Site Name:	Int Disposal Corp Newby Island
Violation Date:	2/7/2003
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	ADDITIONAL SAMPLE LOCATIONS ADDED

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-19-2008
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2005
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: inspected stormwater bmps, sedimentation basin, and composting operation
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-08-2007
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2007
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2007
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 534333
Site Name: Int Disposal Corp Newby Island
Site Address: 1601 DIXON LANDING RD
Site City: MILPITAS

KINGSFORD PRODUCTS COMPAN (Continued) **S103959316**

Site Zip:	95035
Enf Action Date:	06-26-2003
Enf Action Type:	Notice of Violation
Enf Action Description:	Notice of Violation
Enf Action Notes:	CORRECT DEFICIENCIES
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	International Disposal Corp of California
Entity Title:	Operator
Affiliation Address:	1601 Dixon Landing Rd
Affiliation City:	Milpitas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	Not reported

Name:	NEWBY ISLAND LANDFILL
Address:	1601 DIXON LANDING
City,State,Zip:	MILPITAS, CA 95035
Site ID:	240406
CERS ID:	L10002276721
CERS Description:	Land Disposal Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	VIC PAL - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET, SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

M60 **BFI - THE RECYCLERY** **RCRA-SQG** **1000125481**
NW **1601 DIXON LANDING ROAD** **ICIS** **CAT080012479**
1/4-1/2 **MILPITAS, CA 95035** **US AIRS**
0.463 mi. **FINDS**
2442 ft. **Site 3 of 6 in cluster M** **ICE**
HWP
Relative: Lower **CERS**

Actual: 6 ft.

RCRA-SQG:

Date Form Received by Agency:	1996-09-01 00:00:00.0
Handler Name:	IDC OF CALIFORNIA INC
Handler Address:	1601 DIXON LANDING ROAD
Handler City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAT080012479
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported

BFI - THE RECYCLERY (Continued) **1000125481**

Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	2
Mailing Address:	1601 DIXON LANDING RD
Mailing City,State,Zip:	SAN JOSE, CA 91135
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	BFI OF CALIFORNIA INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A

BFI - THE RECYCLERY (Continued) **1000125481**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2006-09-05 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BFI OF CALIFORNIA INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	A999 S. BASCOM AVE
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	408-371-5231
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BFI OF CALIFORNIA INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	A999 S. BASCOM AVE
Owner/Operator City,State,Zip:	CAMPBELL, CA 95008
Owner/Operator Telephone:	408-371-5231
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	IDC OF CALIFORNIA INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

BFI - THE RECYCLERY (Continued) **1000125481**

Receive Date:	1980-08-21 00:00:00.0
Handler Name:	IDC OF CALIFORNIA INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1990-03-09 00:00:00.0
Handler Name:	NEWBY ISLAND/IDC OF CALIFORNIA INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1992-02-28 00:00:00.0
Handler Name:	NEWBY ISLAND SANITARY LANDFILL-INTERNATI
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	92411
NAICS Description:	ADMINISTRATION OF AIR AND WATER RESOURCE AND SOLID WASTE MANAGEMENT PROGRAMS

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported

BFI - THE RECYCLERY (Continued) **1000125481**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

BFI - THE RECYCLERY (Continued) **1000125481**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2017-10-24 00:00:00.0
Actual Return to Compliance Date: 2017-10-25 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 300
Date of Enforcement Action: 2017-10-24 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

BFI - THE RECYCLERY (Continued) **1000125481**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1987-07-14 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-09-08 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2017-10-24 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes

BFI - THE RECYCLERY (Continued) **1000125481**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-10-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2012-07-20 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	KBELL
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ICIS:

Enforcement Action ID:	CABAAA000006085A901300040
FRS ID:	110006533117
Action Name:	INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300040
Facility Name:	INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address:	1601 DIXON LANDING RD SAN JOSE, CA 95133
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45439
Longitude in Decimal Degrees:	-121.92373
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085A9013
Facility NAICS Code:	562211
Tribal Land Code:	Not reported
Enforcement Action ID:	CABAAA000006085A901300039
FRS ID:	110006533117
Action Name:	INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300039
Facility Name:	INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address:	1601 DIXON LANDING RD SAN JOSE, CA 95133
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA

BFI - THE RECYCLERY (Continued) **1000125481**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4953
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45439
Longitude in Decimal Degrees: -121.92373
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085A9013
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085A901300038
FRS ID: 110006533117
Action Name: INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300038
Facility Name: INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address: 1601 DIXON LANDING RD
SAN JOSE, CA 95133
Enforcement Action Type: Notice of Violation
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4953
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45439
Longitude in Decimal Degrees: -121.92373
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085A9013
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085A901300033
FRS ID: 110006533117
Action Name: INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300033
Facility Name: INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address: 1601 DIXON LANDING RD
SAN JOSE, CA 95133
Enforcement Action Type: Administrative Order
Facility County: SANTA CLARA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4953
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 37.45439
Longitude in Decimal Degrees: -121.92373
Permit Type Desc: Not reported
Program System Acronym: CABAA00006085A9013
Facility NAICS Code: 562211
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006085A901300032
FRS ID: 110006533117
Action Name: INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300032
Facility Name: INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address: 1601 DIXON LANDING RD

BFI - THE RECYCLERY (Continued) **1000125481**

	SAN JOSE, CA 95133
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45439
Longitude in Decimal Degrees:	-121.92373
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085A9013
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085A901300031
FRS ID:	110006533117
Action Name:	INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300031
Facility Name:	INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address:	1601 DIXON LANDING RD
	SAN JOSE, CA 95133
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45439
Longitude in Decimal Degrees:	-121.92373
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085A9013
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085A901300024
FRS ID:	110006533117
Action Name:	INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300024
Facility Name:	INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address:	1601 DIXON LANDING RD
	SAN JOSE, CA 95133
Enforcement Action Type:	Administrative Order
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45439
Longitude in Decimal Degrees:	-121.92373
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085A9013
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085A901300023
FRS ID:	110006533117

BFI - THE RECYCLERY (Continued) **1000125481**

Action Name:	INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300023
Facility Name:	INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address:	1601 DIXON LANDING RD SAN JOSE, CA 95133
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45439
Longitude in Decimal Degrees:	-121.92373
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085A9013
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085A901300013
FRS ID:	110006533117
Action Name:	INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300013
Facility Name:	INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address:	1601 DIXON LANDING RD SAN JOSE, CA 95133
Enforcement Action Type:	Notice of Violation
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45439
Longitude in Decimal Degrees:	-121.92373
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085A9013
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

Enforcement Action ID:	CABAAA000006085A901300011
FRS ID:	110006533117
Action Name:	INTERNATIONAL DISPOSAL CORPORATION OF 06085A901300011
Facility Name:	INTERNATIONAL DISPOSAL CORPORATION OF
Facility Address:	1601 DIXON LANDING RD SAN JOSE, CA 95133
Enforcement Action Type:	Administrative Order
Facility County:	SANTA CLARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	37.45439
Longitude in Decimal Degrees:	-121.92373
Permit Type Desc:	Not reported
Program System Acronym:	CABAA00006085A9013
Facility NAICS Code:	562211
Tribal Land Code:	Not reported

BFI - THE RECYCLERY (Continued) **1000125481**

US AIRS (AFS):

Envid:	1000125481
Region Code:	09
County Code:	CA085
Programmatic ID:	AIR CABAA00006085A5472
Facility Registry ID:	110006533117
D and B Number:	Not reported
Facility Site Name:	BFI - THE RECYCLERY
Primary SIC Code:	2875
NAICS Code:	325314
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	FDF
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	09
Programmatic ID:	AIR CABAA00006085A5472
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-05-13 00:00:00
Activity Status Date:	2016-07-28 12:28:59
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active

Region Code:	09
Programmatic ID:	AIR CABAA00006085A5472
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-02-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CABAA00006085A5472
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-07-16 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CABAA00006085A5472
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

BFI - THE RECYCLERY (Continued) **1000125481**

Air Program: Title V Permits
Activity Date: 2009-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A5472
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Envid: 1000125481
Region Code: 09
County Code: CA085
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
D and B Number: Not reported
Facility Site Name: INTERNATIONAL DISPOSAL CORPORATION OF
Primary SIC Code: 4953
NAICS Code: 562211
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-08-13 00:00:00
Activity Status Date: 2012-10-03 18:26:56
Activity Group: Compliance Monitoring
Activity Type: Compliance Investigation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Compliance Investigation
Activity Status: Not reported

BFI - THE RECYCLERY (Continued) **1000125481**

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-08-14 00:00:00
Activity Status Date: 2012-10-01 13:07:23
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Operating Permits
Activity Date: 2012-08-13 00:00:00
Activity Status Date: 2012-10-03 18:26:56
Activity Group: Compliance Monitoring
Activity Type: Compliance Investigation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-06-16 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2007-03-26 00:00:00
Activity Group: Case File

BFI - THE RECYCLERY (Continued) **1000125481**

Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2008-07-15 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Compliance Investigation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-06-02 00:00:00
Activity Status Date: 2016-07-28 12:40:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

BFI - THE RECYCLERY (Continued) **1000125481**

Activity Date:	2002-08-08 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-09-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-02-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-02-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-09-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117

BFI - THE RECYCLERY (Continued) **1000125481**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BFI - THE RECYCLERY (Continued) **1000125481**

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CABAA00006085A9013
Facility Registry ID: 110006533117
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-25 00:00:00
Activity Status Date: 2003-11-25 00:00:00
Activity Group: Enforcement Action

BFI - THE RECYCLERY (Continued) **1000125481**

Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-02-28 00:00:00
Activity Status Date:	2007-02-28 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-01-02 00:00:00
Activity Status Date:	2008-01-02 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-08-28 00:00:00
Activity Status Date:	2003-08-28 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-12-12 00:00:00
Activity Status Date:	2006-12-12 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CABAA00006085A9013
Facility Registry ID:	110006533117
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

BFI - THE RECYCLERY (Continued) **1000125481**

Activity Date: 2007-08-30 00:00:00
Activity Status Date: 2007-08-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:
Registry ID: 110006533117

Click Here:

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS AIR POLLUTANT MAJOR
CASWIS (California Solid Waste Integrating System). California's solid waste facility list that contains information on solid waste facilities, operations, and open and closed disposal sites throughout the state.
STATE MASTER
AIR MAJOR
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.
GREENHOUSE GAS REPORTER

BFI - THE RECYCLERY (Continued) **1000125481**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ICE:

Envirostor ID:	3004264
Name:	IDC OF CALIFORNIA INC
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
EPA ID:	CAT080012479
Site Type:	INSPECTION
Facility Status:	No Action

Inspection:

Action Type:	Compliance Evaluation Inspection - Generator
Action Date:	10/24/2017
Violation Class:	Minor
RTC Date:	10/25/2017

HWP:

Name:	IDC OF CALIFORNIA INC
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 950358100
EPA Id:	CAT080012479
Cleanup Status:	PROTECTIVE FILER
Latitude:	37.45398
Longitude:	-121.9287
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	25
Senate District:	10
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAT080012479
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	06/28/1988

Alias:

EPA Id:	CAT080012479
Facility Type:	Historical - Non-Operating
Alias Type:	FRS
Alias:	110006533117

EPA Id:	CAT080012479
Facility Type:	Historical - Non-Operating
Alias Type:	Envirostor ID Number
Alias:	43490006

BFI - THE RECYCLERY (Continued) **1000125481**

CERS:

Name:	IDC OF CALIFORNIA INC
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 950358100
Site ID:	216131
CERS ID:	CAT080012479
CERS Description:	Hazardous Waste

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-24-2017
Violations Found:	Yes
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Generator Return To Compliance: 2017-10-25 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Affiliation:

Affiliation Type Desc:	Facility Contact
Entity Name:	Josh Mills
Entity Title:	Not reported
Affiliation Address:	1601 DIXON LANDING ROAD
Affiliation City:	MILPITAS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95035
Affiliation Phone:	4085862312

Affiliation Type Desc:	Facility Owner
Entity Name:	IDC OF CALIFORNIA INC
Entity Title:	Not reported
Affiliation Address:	1601 DIXON LANDING RD
Affiliation City:	MILPITAS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	950358100
Affiliation Phone:	4089452802

M61 **INTERNATIONAL DISPOSAL CORP OF CA** **LUST** **S104541792**
NW **1601 W DIXON LANDING RD** **HIST LUST** **N/A**
1/4-1/2 **MILPITAS, CA 95035** **AST**
0.463 mi. **Cortese**
2442 ft. **Site 4 of 6 in cluster M** **EMI**
CERS

Relative:
Lower

Actual:
6 ft.

LUST:

Name:	KINGSFORD CO.
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Lead Agency:	SANTA CLARA COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608500807
Global Id:	T0608500807
Latitude:	37.453789939

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

Longitude:	-121.92538977
Status:	Completed - Case Closed
Status Date:	02/26/1993
Case Worker:	UST
RB Case Number:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0608500807
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608500807
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	SANTA CLARA COUNTY LOP
Address:	1555 Berger Drive, Suite 300
City:	SAN JOSE
Email:	Not reported
Phone Number:	4089183400

LUST:

Global Id:	T0608500807
Action Type:	ENFORCEMENT
Date:	12/21/1992
Action:	Closure/No Further Action Letter

Global Id:	T0608500807
Action Type:	ENFORCEMENT
Date:	09/17/1990
Action:	Notice of Responsibility - #39179

Global Id:	T0608500807
Action Type:	RESPONSE
Date:	09/16/1986
Action:	Other Report / Document

Global Id:	T0608500807
Action Type:	REMEDIATION
Date:	09/08/1986
Action:	Excavation

Global Id:	T0608500807
Action Type:	Other
Date:	06/16/1986
Action:	Leak Reported

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

LUST:
Global Id: T0608500807
Status: Open - Case Begin Date
Status Date: 06/16/1986

Global Id: T0608500807
Status: Open - Site Assessment
Status Date: 10/02/1986

Global Id: T0608500807
Status: Completed - Case Closed
Status Date: 02/26/1993

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 05S1W36L01f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 10/2/1986
Pollution Characterization Began: 10/2/1986
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST SANTA CLARA:
Name: KINGSFORD CO.
Address: 1601 W DIXON LANDING RD
City,State,Zip: MILPITAS, CA
Region: SANTA CLARA
SCVWD ID: 05S1W36L01F
Date Closed: 02/26/1993
EDR Link ID: 05S1W36L01F

HIST LUST SANTA CLARA:
Name: Kingsford Co.
Address: 1601 W Dixon Landing Rd
City: Milpitas
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 05S1W36L01
Oversite Agency: SCVWD
Date Listed: 1987-01-01 00:00:00
Closed Date: 1993-02-26 00:00:00

AST:
Name: BFI THE RECYCLERY
Address: 1601 DIXON LANDING RD
City/Zip: MILPITAS,95035

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

Certified Unified Program Agencies:	Not reported
Owner:	BFI Newby Island Recyclery
Total Gallons:	Not reported
CERSID:	10092946
Facility ID:	43-060-402083
Business Name:	BFI THE RECYCLERY
Phone:	4085862312
Fax:	Not reported
Mailing Address:	1601 DIXON LANDING RD
Mailing Address City:	MILPITAS
Mailing Address State:	CA
Mailing Address Zip Code:	95035
Operator Name:	BFI Newby Island Recyclery
Operator Phone:	4088130510
Owner Phone:	4085862312
Owner Mail Address:	1601 Dixon Landing Road
Owner State:	CA
Owner Zip Code:	95035
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000055274

Name:	BFI OF SANTA CLARA COUNTY
Address:	1601 DIXON LANDING RD
City/Zip:	MILPITAS,95035
Certified Unified Program Agencies:	Not reported
Owner:	Republic Services
Total Gallons:	Not reported
CERSID:	10440052
Facility ID:	Not reported
Business Name:	BFI of Santa Clara County
Phone:	408 432 1234
Fax:	408 635 1487
Mailing Address:	1601 Dixon Landing Road
Mailing Address City:	Milpitas
Mailing Address State:	CA
Mailing Address Zip Code:	95035
Operator Name:	Allied Waste Services of Santa Clara County
Operator Phone:	408 432 1234
Owner Phone:	480 718 6565
Owner Mail Address:	18500 North Allied Way
Owner State:	AZ
Owner Zip Code:	85054
Owner Country:	United States
Property Owner Name:	Republic Services
Property Owner Phone:	480 718 6565
Property Owner Mailing Address:	18500 North Allied Way
Property Owner City:	Phoenix
Property Owner Stat :	AZ
Property Owner Zip Code:	85054
Property Owner Country:	United States

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

EPAID:	CAC000653512
Name:	BFI THE RECYCLERY
Address:	1601 DIXON LANDING RD
City/Zip:	SAN JOSE,
Certified Unified Program Agencies:	Santa Clara County
Owner:	BFI THE RECYCLERY
Total Gallons:	5,245
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

CORTESE:

Name:	KINGSFORD CO.
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608500807
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

File Name: Active Open

EMI:

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2001
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	11775
Reactive Organic Gases Tons/Yr:	168
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	77
Part. Matter 10 Micrometers and Smllr Tons/Yr:	69

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2002
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12382
Reactive Organic Gases Tons/Yr:	161
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	69
Part. Matter 10 Micrometers and Smllr Tons/Yr:	62

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2003
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12759
Reactive Organic Gases Tons/Yr:	166

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 62
Part. Matter 10 Micrometers and Smllr Tons/Yr: 56

Name: INTERNATIONAL DISPOSAL CORPORA
Address: 1601 W DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Year: 2004
County Code: 43
Air Basin: SF
Facility ID: 9013
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 13102.726
Reactive Organic Gases Tons/Yr: 88.2486845
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 63.094
Part. Matter 10 Micrometers and Smllr Tons/Yr: 56.7846

Name: INTERNATIONAL DISPOSAL CORPORA
Address: 1601 W DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Year: 2005
County Code: 43
Air Basin: SF
Facility ID: 9013
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 13704.819
Reactive Organic Gases Tons/Yr: 178.9217807
Carbon Monoxide Emissions Tons/Yr: 95.368
NOX - Oxides of Nitrogen Tons/Yr: 22.699
SOX - Oxides of Sulphur Tons/Yr: 7.417
Particulate Matter Tons/Yr: 69.403
Part. Matter 10 Micrometers and Smllr Tons/Yr: 62.8285

Name: INTERNATIONAL DISPOSAL CORPORA
Address: 1601 W DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Year: 2006
County Code: 43
Air Basin: SF
Facility ID: 9013
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	301.005
Reactive Organic Gases Tons/Yr:	79.3395821
Carbon Monoxide Emissions Tons/Yr:	95.368
NOX - Oxides of Nitrogen Tons/Yr:	22.699
SOX - Oxides of Sulphur Tons/Yr:	7.417
Particulate Matter Tons/Yr:	60.153
Part. Matter 10 Micrometers and Smllr Tons/Yr:	54.5035

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95133
Year:	2007
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.135
Reactive Organic Gases Tons/Yr:	1.5461237
Carbon Monoxide Emissions Tons/Yr:	.047
NOX - Oxides of Nitrogen Tons/Yr:	.012
SOX - Oxides of Sulphur Tons/Yr:	.024
Particulate Matter Tons/Yr:	51.415
Part. Matter 10 Micrometers and Smllr Tons/Yr:	46.2736

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2008
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4786
Reactive Organic Gases Tons/Yr:	34.6229249
Carbon Monoxide Emissions Tons/Yr:	1.465
NOX - Oxides of Nitrogen Tons/Yr:	.607
SOX - Oxides of Sulphur Tons/Yr:	.742
Particulate Matter Tons/Yr:	87.082
Part. Matter 10 Micrometers and Smllr Tons/Yr:	78.3782

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2009
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4572.75
Reactive Organic Gases Tons/Yr:	32.546086899999999
Carbon Monoxide Emissions Tons/Yr:	0.84999999999999998
NOX - Oxides of Nitrogen Tons/Yr:	0.436
SOX - Oxides of Sulphur Tons/Yr:	0.43099999999999999
Particulate Matter Tons/Yr:	46.289444444444399
Part. Matter 10 Micrometers and Smllr Tons/Yr:	41.662999999999997

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2010
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5286.9859999999999
Reactive Organic Gases Tons/Yr:	61.794706499999997
Carbon Monoxide Emissions Tons/Yr:	43.646999999999998
NOX - Oxides of Nitrogen Tons/Yr:	8.6310000000000002
SOX - Oxides of Sulphur Tons/Yr:	1.9530000000000001
Particulate Matter Tons/Yr:	47.261000000000003
Part. Matter 10 Micrometers and Smllr Tons/Yr:	42.604999999999997

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2011
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5325.124
Reactive Organic Gases Tons/Yr:	80.0246705
Carbon Monoxide Emissions Tons/Yr:	2.235
NOX - Oxides of Nitrogen Tons/Yr:	8.331
SOX - Oxides of Sulphur Tons/Yr:	3.069
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	INTERNATIONAL DISPOSAL CORPORA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2012
County Code:	43

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5178.487
Reactive Organic Gases Tons/Yr:	79.1064617
Carbon Monoxide Emissions Tons/Yr:	2.235
NOX - Oxides of Nitrogen Tons/Yr:	8.324
SOX - Oxides of Sulphur Tons/Yr:	3.069
Particulate Matter Tons/Yr:	46.452555556
Part. Matter 10 Micrometers and Smllr Tons/Yr:	41.927

Name:	INTERNATIONAL DISPOSAL CORP OF
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2013
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4438.12
Reactive Organic Gases Tons/Yr:	45.6734466
Carbon Monoxide Emissions Tons/Yr:	0.759
NOX - Oxides of Nitrogen Tons/Yr:	2.955
SOX - Oxides of Sulphur Tons/Yr:	1.289
Particulate Matter Tons/Yr:	184.714
Part. Matter 10 Micrometers and Smllr Tons/Yr:	45.562

Name:	INTERNATIONAL DISPOSAL CORP OF CA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2014
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4719.3635248
Reactive Organic Gases Tons/Yr:	28.644202737
Carbon Monoxide Emissions Tons/Yr:	78.887609601
NOX - Oxides of Nitrogen Tons/Yr:	33.54762894
SOX - Oxides of Sulphur Tons/Yr:	66.111514806
Particulate Matter Tons/Yr:	178.36390954
Part. Matter 10 Micrometers and Smllr Tons/Yr:	43.735275448

Name:	INTERNATIONAL DISPOSAL CORP OF CA
Address:	1601 W DIXON LANDING RD

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

City,State,Zip:	MILPITAS, CA 95035
Year:	2015
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5136.7248536
Reactive Organic Gases Tons/Yr:	110.29983239
Carbon Monoxide Emissions Tons/Yr:	78.892686484
NOX - Oxides of Nitrogen Tons/Yr:	33.570352497
SOX - Oxides of Sulphur Tons/Yr:	66.1115112
Particulate Matter Tons/Yr:	194.59077253
Part. Matter 10 Micrometers and Smllr Tons/Yr:	47.710862534

Name:	INTERNATIONAL DISPOSAL CORP OF CA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2016
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6774.2086475
Reactive Organic Gases Tons/Yr:	149.00874731
Carbon Monoxide Emissions Tons/Yr:	36.486197582
NOX - Oxides of Nitrogen Tons/Yr:	22.130385952
SOX - Oxides of Sulphur Tons/Yr:	45.206367775
Particulate Matter Tons/Yr:	247.96880711
Part. Matter 10 Micrometers and Smllr Tons/Yr:	61.527240941

Name:	INTERNATIONAL DISPOSAL CORP OF CA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2017
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8596.1700298
Reactive Organic Gases Tons/Yr:	196.37575118
Carbon Monoxide Emissions Tons/Yr:	52.232487732
NOX - Oxides of Nitrogen Tons/Yr:	29.164132044
SOX - Oxides of Sulphur Tons/Yr:	60.473476921
Particulate Matter Tons/Yr:	230.48512172
Part. Matter 10 Micrometers and Smllr Tons/Yr:	58.061995945

INTERNATIONAL DISPOSAL CORP OF CA (Continued) **S104541792**

Name:	INTERNATIONAL DISPOSAL CORP OF CA
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Year:	2018
County Code:	43
Air Basin:	SF
Facility ID:	9013
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9463.151395
Reactive Organic Gases Tons/Yr:	272.77786596
Carbon Monoxide Emissions Tons/Yr:	56.179501547
NOX - Oxides of Nitrogen Tons/Yr:	32.438666706
SOX - Oxides of Sulphur Tons/Yr:	66.156709512
Particulate Matter Tons/Yr:	355.95540709
Part. Matter 10 Micrometers and Smllr Tons/Yr:	90.404147734

CERS:

Name:	KINGSFORD CO.
Address:	1601 W DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035
Site ID:	225411
CERS ID:	T0608500807
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	UST CASE WORKER - SANTA CLARA COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	1555 Berger Drive, Suite 300
Affiliation City:	SAN JOSE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	4089183400

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

M62 **BFI--NEWBY ISLAND LANDFILL** **SEMS-ARCHIVE** **1000483038**
NW **1601 DIXON LANDING RD.** **CAD983578071**
1/4-1/2 **MILPITAS, CA 95035**
0.463 mi.
2442 ft. **Site 5 of 6 in cluster M**

Relative:
Lower

Actual:
6 ft.

SEMS Archive:

Site ID:	0903755
EPA ID:	CAD983578071
Name:	BFI--NEWBY ISLAND LANDFILL
Address:	1601 DIXON LANDING RD.
Address 2:	Not reported
City,State,Zip:	MILPITAS, CA 95035
Cong District:	10
FIPS Code:	06085
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0903755
EPA ID:	CAD983578071
Site Name:	BFI--NEWBY ISLAND LANDFILL
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0903755
EPA ID:	CAD983578071
Site Name:	BFI--NEWBY ISLAND LANDFILL
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1990-11-13 05:00:00
Finish Date:	1990-11-13 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0903755
EPA ID:	CAD983578071
Site Name:	BFI--NEWBY ISLAND LANDFILL
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1

BFI--NEWBY ISLAND LANDFILL (Continued) **1000483038**

Start Date:	Not reported
Finish Date:	2011-01-26 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

M63 **NEWBY ISLAND LANDFILL** **AST** **S103439272**
NW **1601 DIXON LANDING ROAD** **WMUDS/SWAT** **N/A**
1/4-1/2 **MILPITAS CA, CA 95035** **CUPA Listings**
0.463 mi. **WDS**
2442 ft. **Site 6 of 6 in cluster M**

Relative:
Lower

Actual:
6 ft.

AST:

Name:	NEWBY ISLAND LANDFILL
Address:	1601 DIXON LANDING RD
City/Zip:	MILPITAS,95035
Certified Unified Program Agencies:	Not reported
Owner:	INTERNATIONAL DISPOSAL CORP
Total Gallons:	Not reported
CERSID:	10093162
Facility ID:	43-060-402400
Business Name:	Newby Island Sanitary Landfill
Phone:	4082621401
Fax:	408 262 2871
Mailing Address:	1601 DIXON LANDING RD
Mailing Address City:	MILPITAS
Mailing Address State:	CA
Mailing Address Zip Code:	95035
Operator Name:	International Disposal Corp. of California, Inc.
Operator Phone:	(408) 262-1401
Owner Phone:	(408) 262-1401
Owner Mail Address:	1601 DIXON LANDING RD
Owner State:	CA
Owner Zip Code:	95035
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000055274

WMUDS/SWAT:

Edit Date:	19950214
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	SLDWST
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).

NEWBY ISLAND LANDFILL (Continued) **S103439272**

Secondary Waste:	Solid Wastes
Secondary Waste Type:	I
Base Meridian:	MD
NPID:	Not reported
Tonnage:	3260
Regional Board ID:	2189.8047
Municipal Solid Waste:	True
Superorder:	True
Open To Public:	False
Waste List:	True
Agency Type:	Private
Agency Name:	BROWNING FERRIS INDUSTRIES
Agency Department:	BROWNING-FERRIS INDUSTRIES
Agency Address:	1601 DIXON LANDING RD
Agency City,St,Zip:	MILPITAS CA 95035
Agency Contact:	WILLIAM SCHREEDER
Agency Telephone:	4084321234
Land Owner Name:	INTERNATIONAL DISPOSAL CORP
Land Owner Address:	P.O. BOX 49
Land Owner City,St,Zip:	MILPITAS, CA 95035
Land Owner Contact:	Not reported
Land Owner Phone:	4082625559
Region:	2
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	NEWBY ISLAND SANITARY LANDFILL
Primary SIC:	4953
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	JHMJHMJHM
Waste Discharge System:	True
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	INTERNATIONAL DISPOSAL CORP OF CA
Threat to Water Quality:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Sub Chapter 15:	True
Regional Board Project Officer:	ADF
Number of WMUDS at Facility:	3
Section Range:	21701W
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Annual Submittal
Waste Discharge System ID:	2 438047001
Solid Waste Information ID:	43-AN-0003

CUPA SANTA CLARA:

Name:	NEWBY ISLAND LANDFILL
Address:	1601 DIXON LANDING RD
City,State,Zip:	MILPITAS, CA 95035

NEWBY ISLAND LANDFILL (Continued) **S103439272**

Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Latitude: 37.454317
Longitude: -121.923633
Record ID: PR0314394
Facility ID: FA0202489

Name: NEWBY ISLAND LANDFILL
Address: 1601 DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: 2012
Program Description: APSA FACILITY-10,000 TO <50,000 GAL CAPACITY
Latitude: 37.454317
Longitude: -121.923633
Record ID: PR0399588
Facility ID: FA0202489

Name: NEWBY ISLAND LANDFILL
Address: 1601 DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: Not reported
Program Description: HMBP FACILITY, 10-15 CHEMICALS
Latitude: 37.454317
Longitude: -121.923633
Record ID: PR0396383
Facility ID: FA0202489

Name: ALLIED WASTE SERVICES OF NORTH AMERICA, LLC
Address: 1601 DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: 2207
Program Description: GENERATES 25 TO <50 TONS/YR
Latitude: 37.409914
Longitude: -121.940561
Record ID: PR0378176
Facility ID: FA0258295

Name: ALLIED WASTE SERVICES OF NORTH AMERICA, LLC
Address: 1601 DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: Not reported
Program Description: HMBP FACILITY, 10-15 CHEMICALS
Latitude: 37.409914
Longitude: -121.940561
Record ID: PR0397005
Facility ID: FA0258295

Name: ALLIED WASTE SERVICES OF NORTH AMERICA, LLC
Address: 1601 DIXON LANDING RD
City,State,Zip: MILPITAS, CA 95035
Region: SANTA CLARA
PE#: 2011

NEWBY ISLAND LANDFILL (Continued) **S103439272**

Program Description: APSA FACILITY-SPCC TEMPLATE (<10,000 GAL CAP)
Latitude: 37.409914
Longitude: -121.940561
Record ID: PR0399652
Facility ID: FA0258295

WDS:
Name: NEWBY ISLAND LANDFILL
Address: 1601 DIXON LANDING RD
City: MILPITAS
Facility ID: San Francisco Bay 438047001
Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 2
Facility Telephone: Not reported
Facility Contact: WILLIAM SCHREEDER
Agency Name: BROWNING FERRIS INDUSTRIES
Agency Address: 1601 DIXON LANDING RD
Agency City,St,Zip: MILPITAS 95035
Agency Contact: Eric Tjensvold
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 4953
SIC Code 2: Not reported
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste: SLDWST
Waste Type2: I
Waste2: Solid Wastes
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste: Solid Wastes
Secondary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface

NEWBY ISLAND LANDFILL (Continued) **S103439272**

disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

Name:	NEWBY ISLAND LANDFILL
Address:	1601 Dixon Landing Rd
City:	MILPITAS
Facility ID:	San Francisco Bay 43I006530
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	Not reported
Facility Contact:	WILLIAM SCHREEDER
Agency Name:	BROWNING FERRIS INDUSTRIES
Agency Address:	1601 DIXON LANDING RD
Agency City,St,Zip:	MILPITAS 95035
Agency Contact:	Eric Tjensvold
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

64
East
1/2-1
0.552 mi.
2914 ft.

MILPITAS MATERIALS
1125 NORTH MILPITAS
MILPITAS, CA 93064

Notify 65 **U000059598**
N/A

Relative:
Higher

Actual:
16 ft.

NOTIFY 65:

Name:	MILPITAS MATERIALS
Address:	1125 NORTH MILPITAS
City,State,Zip:	MILPITAS, CA 93064
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

65
North
1/2-1
0.608 mi.
3209 ft.

S & R PRECISION CO., LLC
49040 MILMONT DRIVE
FREMONT, CA 94538

ENVIROSTOR **S105939385**
EMI **N/A**

Relative:
Lower

Actual:
10 ft.

ENVIROSTOR:

Name:	S & R PRECISION CO., LLC
Address:	49040 MILMONT DRIVE
City,State,Zip:	FREMONT, CA 94538
Facility ID:	71003436
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Berkeley
Assembly:	25
Senate:	10
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.45811
Longitude:	-121.9200
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAR000006841
Alias Type:	EPA Identification Number
Alias Name:	71003436
Alias Type:	Envirostor ID Number

Completed Info:

S & R PRECISION CO., LLC (Continued) **S105939385**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/22/1997
Comments: Phase 1 checklist indicates no releases.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 07/18/1999
Comments: revised Phase 1 checklist indicates no releases.

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

EMI:
Name: S&R PRECISION COMPANY, LLC
Address: 49040 MILMONT
City,State,Zip: FREMONT, CA 94538
Year: 1998
County Code: 1
Air Basin: SF
Facility ID: 11357
Air District Name: BA
SIC Code: 3599
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: S&R PRECISION COMPANY, LLC
Address: 49040 MILMONT
City,State,Zip: FREMONT, CA 94538
Year: 1999
County Code: 1
Air Basin: SF
Facility ID: 11357
Air District Name: BA
SIC Code: 3599
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 2

S & R PRECISION CO., LLC (Continued) **S105939385**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	S&R PRECISION COMPANY, LLC
Address:	49040 MILMONT
City,State,Zip:	FREMONT, CA 94538
Year:	2000
County Code:	1
Air Basin:	SF
Facility ID:	11357
Air District Name:	BA
SIC Code:	3599
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

P66 **BEDFORD PROPERTIES** **Notify 65** **S100226397**
North **48870 KATO ROAD** **N/A**
1/2-1 **FREMONT, CA 92507**
0.950 mi.
5015 ft. **Site 1 of 2 in cluster P**

Relative: **Higher**
Actual: **23 ft.**

NOTIFY 65:

Name:	BEDFORD PROPERTIES
Address:	48870 KATO ROAD
City,State,Zip:	FREMONT, CA 92507
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

P67 **HERTZ EQUIPMENT RENTAL CORP** **RCRA-SQG** **1000423584**
NNE **48887 KATO DR** **LUST** **CAD038129938**
1/2-1 **FREMONT, CA 94539** **SWEEPS UST**
0.959 mi. **HIST UST**
5062 ft. **Site 2 of 2 in cluster P** **CA FID UST**
CHMIRS
Relative: **FINDS**
Higher **ECHO**
Actual: **Cortese**
25 ft. **HIST CORTESE**
Notify 65
CERS

RCRA-SQG:

Date Form Received by Agency:	1996-09-01 00:00:00.0
Handler Name:	HERTZ EQUIPMENT RENTAL CORP
Handler Address:	48887 KATO DR
Handler City,State,Zip:	FREMONT, CA 94539
EPA ID:	CAD038129938
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	2
Mailing Address:	PO BOX 4197
Mailing City,State,Zip:	FREMONT, CA 94539
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:24:03.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HERTZ EQUIPMENT CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	HERTZ EQUIPMENT RENTAL CORP
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1986-02-26 00:00:00.0
Handler Name:	HERTZ EQUIPMENT RENTAL CORP
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	53231
NAICS Description:	GENERAL RENTAL CENTERS

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1992-05-26 00:00:00.0
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

LUST:
Name: HERTZ EQUIPMENT RENTAL
Address: 48887 KATO RD
City,State,Zip: FREMONT, CA 94539
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100701
Global Id: T0600100701
Latitude: 37.4626647
Longitude: -121.9175527
Status: Completed - Case Closed
Status Date: 01/14/2004
Case Worker: MH
RB Case Number: 01-0760
Local Agency: ALAMEDA COUNTY WATER DISTRICT
File Location: Not reported
Local Case Number: 256
Potential Media Affect: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

LUST:
Global Id: T0600100701
Contact Type: Local Agency Caseworker
Contact Name: MIKEL HALLIWELL
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: mikel.halliwell@acwd.com
Phone Number: Not reported

Global Id: T0600100701
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0600100701
Action Type: Other
Date: 03/07/1989
Action: Leak Discovery

Global Id: T0600100701
Action Type: RESPONSE
Date: 01/02/2004
Action: Correspondence

Global Id: T0600100701
Action Type: Other
Date: 03/07/1989
Action: Leak Stopped

Global Id: T0600100701
Action Type: Other
Date: 03/07/1989
Action: Leak Reported

Global Id: T0600100701
Action Type: ENFORCEMENT
Date: 11/07/2003
Action: Site Visit / Inspection / Sampling

LUST:
Global Id: T0600100701
Status: Open - Case Begin Date
Status Date: 03/07/1989

Global Id: T0600100701
Status: Open - Site Assessment
Status Date: 04/19/1989

Global Id: T0600100701
Status: Open - Site Assessment

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Status Date: 11/15/1989

Global Id: T0600100701
Status: Completed - Case Closed
Status Date: 01/14/2004

LUST REG 2:
Region: 2
Facility Id: 01-0760
Facility Status: Case Closed
Case Number: 0256
How Discovered: SM,
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 4/19/1989
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 11/15/1989
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:
Name: HERTZ EQUIPMENT RENTAL
Address: 48887 KATO RD
City: FREMONT
Status: Not reported
Comp Number: 14519
Number: Not reported
Board Of Equalization: 44-001293
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-009-014519-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Name: HERTZ EQUIPMENT RENTAL
Address: 48887 KATO RD
City: FREMONT
Status: Not reported
Comp Number: 14519
Number: Not reported
Board Of Equalization: 44-001293
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

SWRCB Tank Id: 01-009-014519-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: HERTZ EQUIPMENT RENTAL
Address: 48887 KATO RD
City: FREMONT
Status: Not reported
Comp Number: 14519
Number: Not reported
Board Of Equalization: 44-001293
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-009-014519-000003
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Name: HERTZ EQUIPMENT RENTAL
Address: 48887 KATO RD
City: FREMONT
Status: Not reported
Comp Number: 14519
Number: Not reported
Board Of Equalization: 44-001293
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-009-014519-000004
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: MOTOR OIL
Number Of Tanks: Not reported

HIST UST:
Name: HERTZ EQUIPMENT RENTAL
Address: 48887 KATO RD
City,State,Zip: FREMONT, CA 94539
File Number: 00036032
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036032.pdf
Region: STATE
Facility ID: 00000014519

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Facility Type:	Other
Other Type:	RENTAL YARD
Contact Name:	JAMES HEARD/MANAGER
Telephone:	4154902140
Owner Name:	HERTZ EQUIPMENT RENTAL CORP.
Owner Address:	7 ENTIN RD.
Owner City,St,Zip:	PARSIPPANY, NJ 07054
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	1980
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	003
Container Num:	3
Year Installed:	1980
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	4
Year Installed:	1980
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	01000885
Regulated By:	UTNKA
Regulated ID:	00014519
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	5104902140
Mail To:	Not reported
Mailing Address:	48887 KATO RD
Mailing Address 2:	Not reported

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Mailing City,St,Zip: FREMONT 94539
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CHMIRS:

Name:	Not reported
Address:	48887 KATO RD
City,State,Zip:	FREMONT, CA 94539
OES Incident Number:	09391
OES notification:	Not reported
OES Date:	8/3/1995
OES Time:	01:25:01 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	unknown at this time
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	hertz corp
Incident Date:	1245 03aug95
Admin Agency:	Not reported
Amount:	approx 50 gals

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Contained:	YES
Site Type:	OTHER
E Date:	Not reported
Substance:	diesel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	during fuel delivery truck driver tried to clear feed line into a full tank causing overflow

FINDS:
Registry ID: 110002643328

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000423584
Registry ID:	110002643328
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002643328
Name:	HERTZ EQUIPMENT RENTAL CORP
Address:	48887 KATO DR
City,State,Zip:	FREMONT, CA 94539

CORTESE:

Name:	HERTZ EQUIPMENT RENTAL
Address:	48887 KATO RD
City,State,Zip:	FREMONT, CA 94539
Region:	CORTESE

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Envirostor Id:	Not reported
Global ID:	T0600100701
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	HERTZ EQUIPMENT RENTAL
edr_fadd1:	48887 KATO
City,State,Zip:	FREMONT, CA 94534
Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0760

NOTIFY 65:

Name:	HERTZ EQUIPMENT RENTAL CORP
Address:	48887 KETO ROAD
City,State,Zip:	FREMONT, CA 92507
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

CERS:

Name:	HERTZ EQUIPMENT RENTAL
Address:	48887 KATO RD
City,State,Zip:	FREMONT, CA 94539
Site ID:	243719
CERS ID:	T0600100701
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000423584**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	MIKEL HALLIWELL - ALAMEDA COUNTY WATER DISTRICT
Entity Title:	Not reported
Affiliation Address:	43885 SOUTH GRIMMER BLVD
Affiliation City:	FREMONT
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

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: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

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

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly 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: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/25/2021
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: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 87

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

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

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

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/15/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 30

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/24/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/24/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 87

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 07/27/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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: 07/27/2020
Date Data Arrived at EDR: 07/27/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an 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: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

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

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

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

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

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

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

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

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

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

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 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: 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: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

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 8: Leaking Underground Storage Tanks

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

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

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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/15/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

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

Date of Government Version: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
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: 05/26/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
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: 09/15/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

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: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Varies

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

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 07/27/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 73
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

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

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 74
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

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

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

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

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

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

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

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

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

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

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
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: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

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

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

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

SCH: School Property Evaluation Program

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

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 07/27/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

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

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/03/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

US CDL: Clandestine Drug Labs

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

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

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

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

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

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

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

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

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: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Quarterly

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

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

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

Local Land Records

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

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
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: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/11/2021
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: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

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

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
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: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

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

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

Other Ascertainable Records

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

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

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/13/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

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: 08/05/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 79
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 07/24/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

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

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Annually

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

Date of Government Version: 11/18/2016
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: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

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

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

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

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

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

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

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

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/31/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/04/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

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

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

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

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

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

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/24/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
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: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/27/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

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

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

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

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 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: 05/01/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/27/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/28/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
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: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

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

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 65
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Quarterly

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

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

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

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 74
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/23/2020
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: 08/19/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 14

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 12/07/2020
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: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 06/04/2020
Date Data Arrived at EDR: 06/05/2020
Date Made Active in Reports: 08/17/2020
Number of Days to Update: 73

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/24/2020
Next Scheduled EDR Contact: 12/14/2020
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: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Varies

ENF: Enforcement Action Listing

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

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 79

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/05/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 73

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

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

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

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/18/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

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

Date of Government Version: 07/06/2020
Date Data Arrived at EDR: 07/07/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
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: 05/28/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/29/2020
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/10/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
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: 08/21/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 08/27/2020
Number of Days to Update: 6
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 08/20/2020
Next Scheduled EDR Contact: 12/28/2020
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: 06/06/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
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: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
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: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 16

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 13

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/15/2021
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: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/17/2020
Date Data Arrived at EDR: 06/18/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 76

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/16/2020
Date Data Arrived at EDR: 07/22/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 78

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 78

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/19/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
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: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/13/2020
Number of Days to Update: 75

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/14/2020
Number of Days to Update: 76

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/21/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 71

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/06/2020
Date Data Arrived at EDR: 07/10/2020
Date Made Active in Reports: 09/28/2020
Number of Days to Update: 80

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/13/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 78

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/25/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/12/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/25/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/25/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/05/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 1

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/15/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 16

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/13/2020
Number of Days to Update: 75

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 06/10/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/19/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/02/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 79

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/19/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/10/2020
Date Made Active in Reports: 08/24/2020
Number of Days to Update: 75

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 08/04/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/04/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 82
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
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: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
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: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 82

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/11/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/01/2020
Next Scheduled EDR Contact: 12/21/2020
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: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/08/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 07/30/2020
Date Data Arrived at EDR: 07/31/2020
Date Made Active in Reports: 10/16/2020
Number of Days to Update: 77

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 09/16/2020
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/07/2020
Date Data Arrived at EDR: 07/08/2020
Date Made Active in Reports: 09/25/2020
Number of Days to Update: 79

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/26/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 08/11/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/06/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 81

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
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: 07/10/2020
Date Data Arrived at EDR: 07/22/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 07/10/2020
Date Data Arrived at EDR: 07/22/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
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: 06/23/2020
Date Data Arrived at EDR: 06/29/2020
Date Made Active in Reports: 09/15/2020
Number of Days to Update: 78

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/07/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 80

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 11/03/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/02/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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CORNERSTONE EARTH GROUP

APPENDIX D – HISTORIC AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS

Phase I ESA

1355 California Circle

Milpitas, CA 95035

Inquiry Number: 5662945.8

May 23, 2019

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

05/23/19

Site Name:

Phase I ESA
1355 California Circle
Milpitas, CA 95035
EDR Inquiry # 5662945.8

Client Name:

Cornerstone Earth Group
1259 Oakmead Parkway
Sunnyvale, CA 94085
Contact: Chris Heiny

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Flight Date: August 27, 1998	USDA
1993	1"=500'	Acquisition Date: June 12, 1993	USGS/DOQQ
1982	1"=500'	Flight Date: July 05, 1982	USDA
1979	1"=500'	Flight Date: August 16, 1979	USDA
1974	1"=500'	Flight Date: October 14, 1974	USGS
1968	1"=500'	Flight Date: June 14, 1968	USGS
1963	1"=500'	Flight Date: June 24, 1963	EDR Proprietary Aerial Viewpoint
1959	1"=500'	Flight Date: April 15, 1959	USDA
1950	1"=500'	Flight Date: April 01, 1950	USDA
1948	1"=500'	Flight Date: September 26, 1948	USDA
1939	1"=500'	Flight Date: July 31, 1939	USDA

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INQUIRY #: 5662945.8
YEAR: 2016
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N
EDR


INQUIRY #: 5662945.8
YEAR: 2012
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N
EDR


INQUIRY #: 5662945.8
YEAR: 2009
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EDR


INQUIRY #: 5662945.8
YEAR: 2006
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INQUIRY #: 5662945.8
YEAR: 1998
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EDR



INQUIRY #: 5662945.8

YEAR: 1993

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N

EDR


INQUIRY #: 5662945.8
YEAR: 1982
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EDR


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EDR


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YEAR: 1963
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EDR



INQUIRY #: 5662945.8

YEAR: 1959

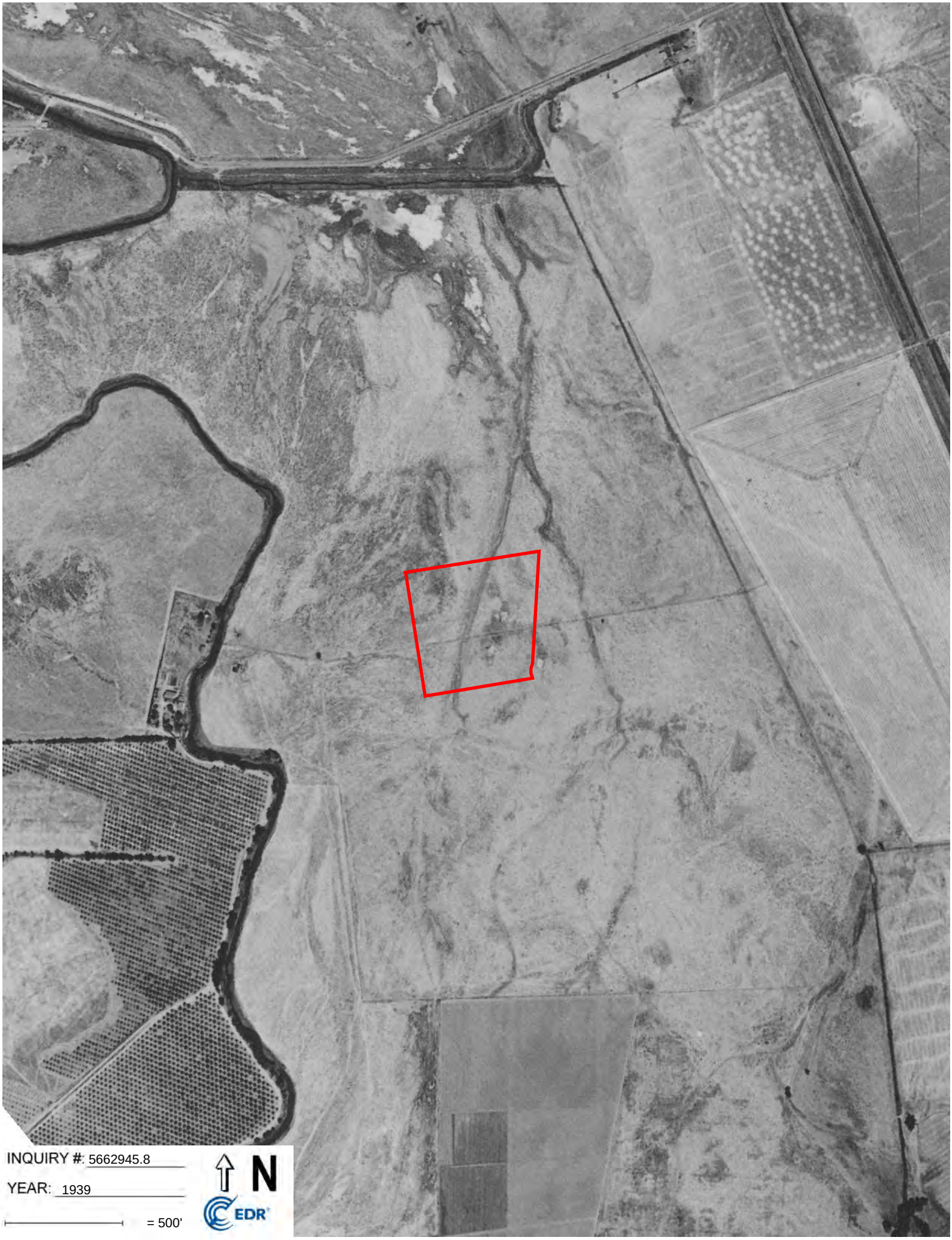
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EDR


INQUIRY #: 5662945.8
YEAR: 1950
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N
EDR


INQUIRY #: 5662945.8
YEAR: 1948
= 500'
N
EDR


INQUIRY #: 5662945.8
YEAR: 1939
= 500'
N
EDR

Phase I ESA

1355 California Circle

Milpitas, CA 95035

Inquiry Number: 5662945.3

May 23, 2019

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

05/23/19

Site Name:

Phase I ESA
1355 California Circle
Milpitas, CA 95035
EDR Inquiry # 5662945.3

Client Name:

Cornerstone Earth Group
1259 Oakmead Parkway
Sunnyvale, CA 94085
Contact: Chris Heiny

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Certification # 36AE-4AC7-B66A

PO # 648-19-1

Project 648-19-1

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 36AE-4AC7-B66A

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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Phase I ESA

1355 California Circle

Milpitas, CA 95035

Inquiry Number: 5662945.4

May 23, 2019

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

05/23/19

Site Name:	Client Name:
Phase I ESA	Cornerstone Earth Group
1355 California Circle	1259 Oakmead Parkway
Milpitas, CA 95035	Sunnyvale, CA 94085
EDR Inquiry # 5662945.4	Contact: Chris Heiny

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Cornerstone Earth Group 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.# 648-19-1

Project: 648-19-1

Coordinates:

Latitude:	37.448386 37° 26' 54" North
Longitude:	-121.920345 -121° 55' 13" West
UTM Zone:	Zone 10 North
UTM X Meters:	595497.92
UTM Y Meters:	4145162.31
Elevation:	12.00' above sea level

Maps Provided:

2012	1889
1980	
1973	
1968	
1961	
1953	
1899	
1897	

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Topo Sheet Key

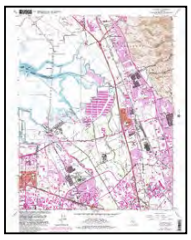
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



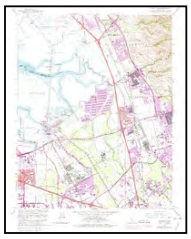
Milpitas
2012
7.5-minute, 24000

1980 Source Sheets



Milpitas
1980
7.5-minute, 24000
Aerial Photo Revised 1979

1973 Source Sheets



Milpitas
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets



Milpitas
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Topo Sheet Key

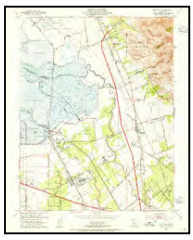
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1961 Source Sheets



Milpitas
1961
7.5-minute, 24000
Aerial Photo Revised 1960

1953 Source Sheets



Milpitas
1953
7.5-minute, 24000
Aerial Photo Revised 1948

1899 Source Sheets



San Jose
1899
15-minute, 62500

1897 Source Sheets



San Jose
1897
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

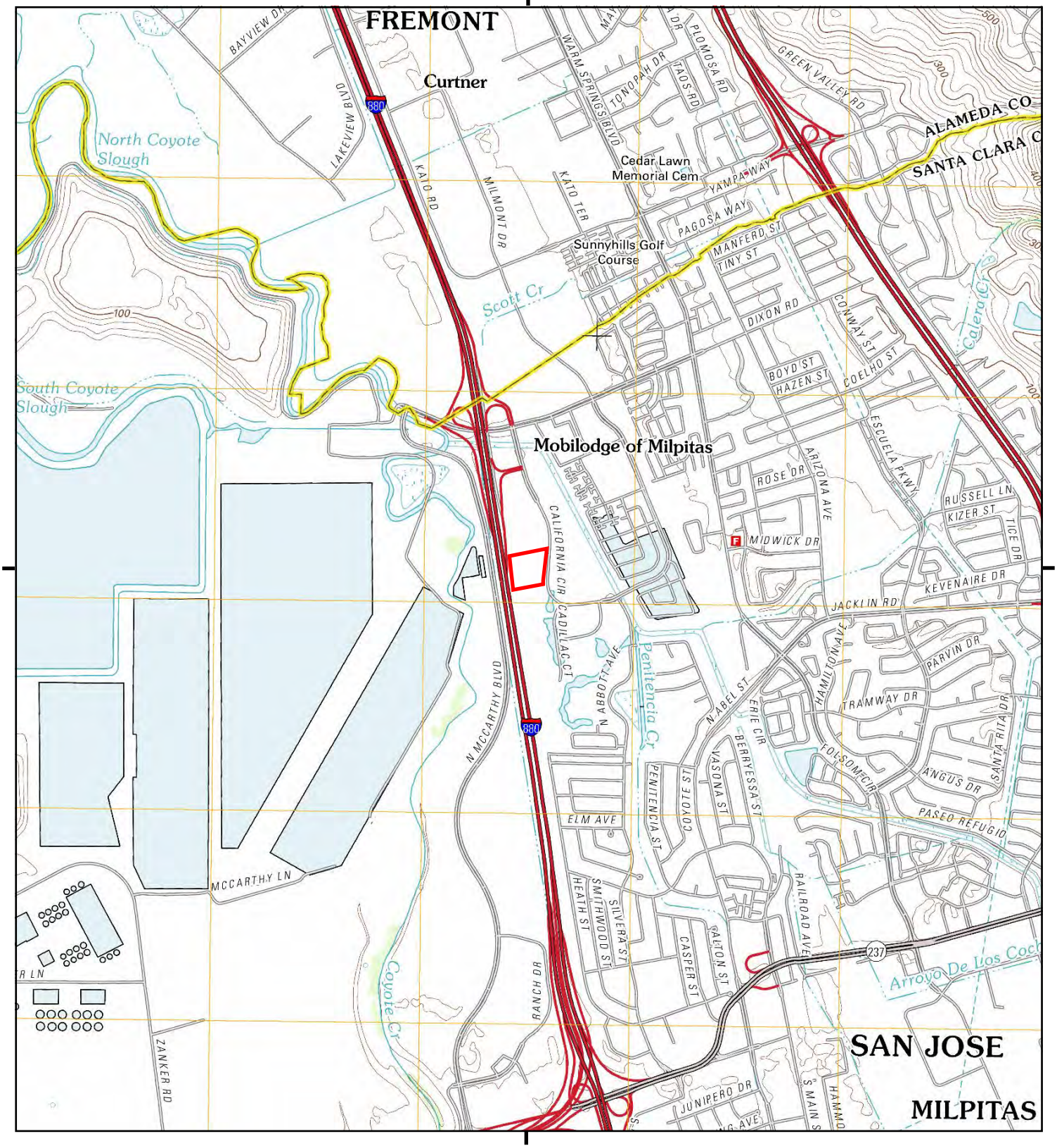
1889 Source Sheets



San Jose
1889
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

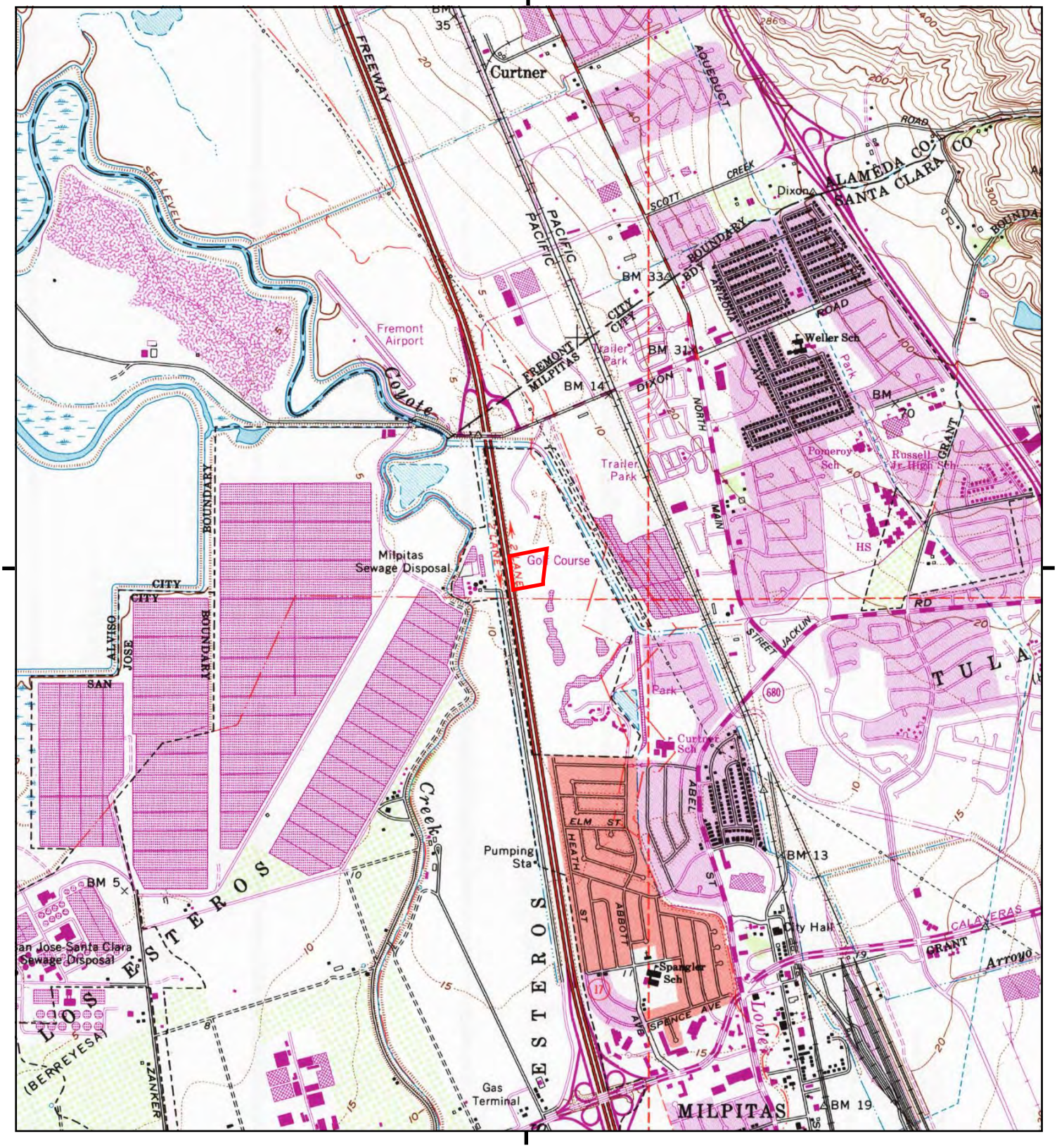
TP, Milpitas, 2012, 7.5-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

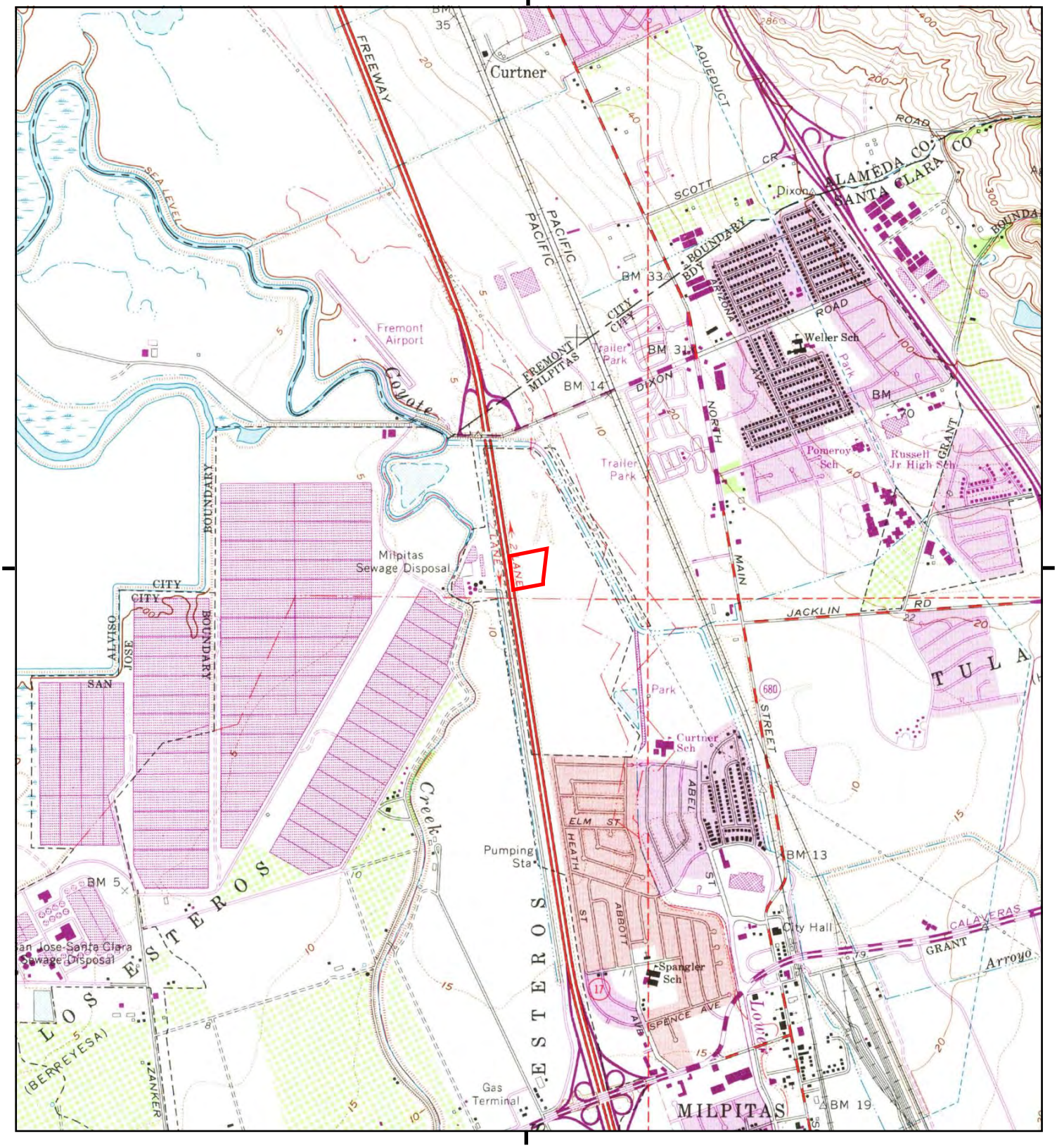
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Milpitas, 1980, 7.5-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

N



This report includes information from the following map sheet(s).

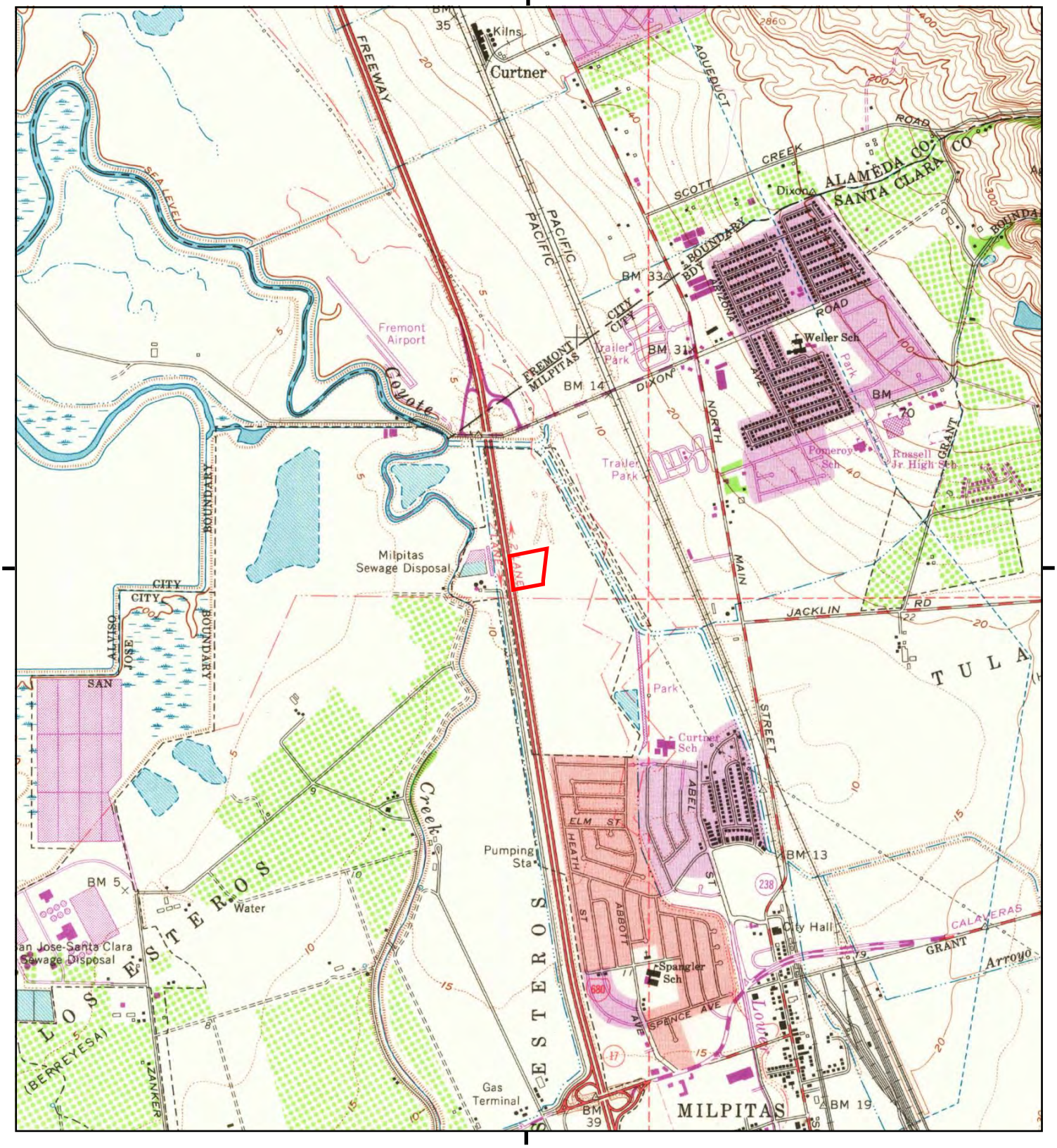
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Milpitas, 1973, 7.5-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

N



This report includes information from the following map sheet(s).

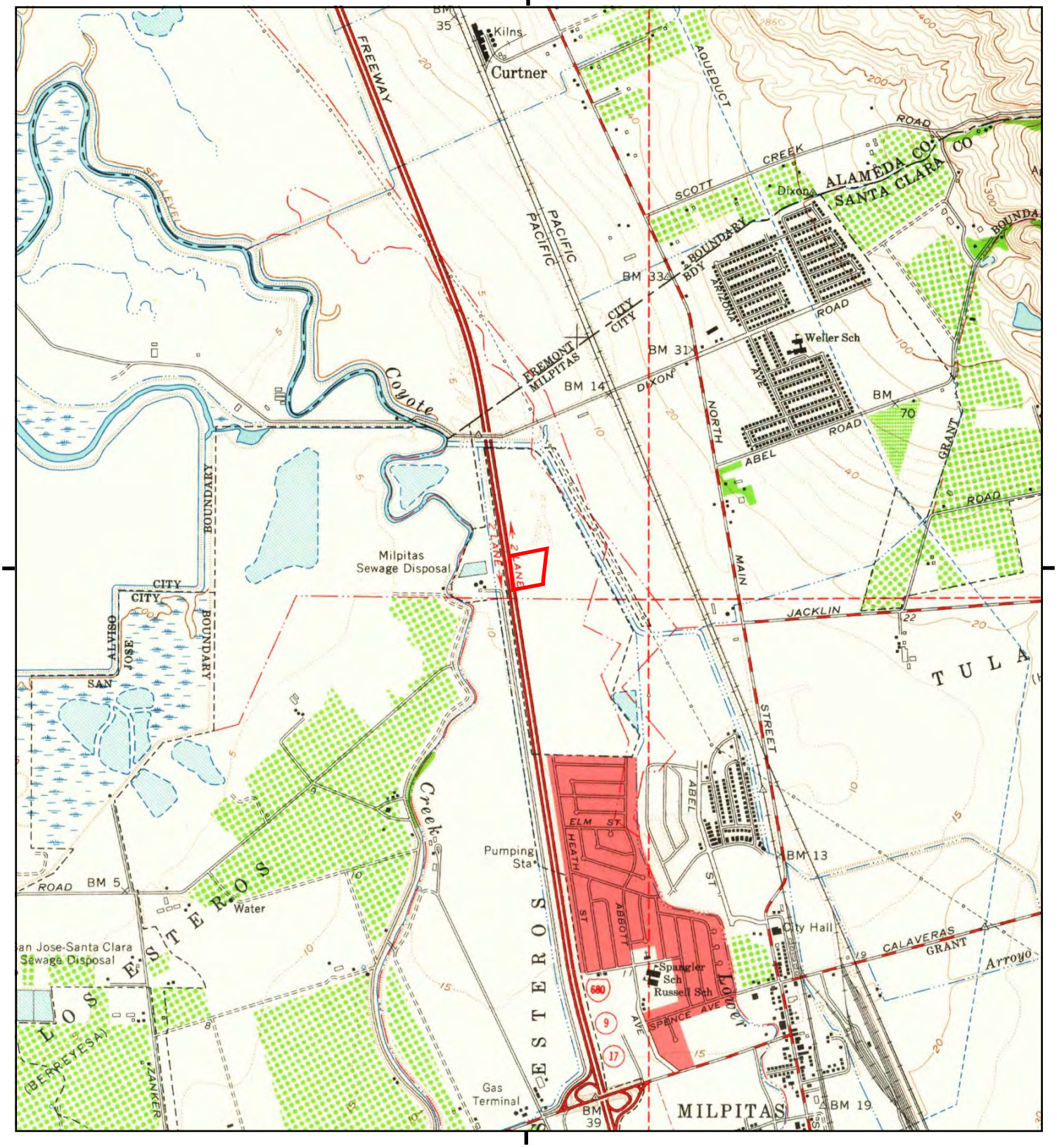
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Milpitas, 1968, 7.5-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

N



This report includes information from the following map sheet(s).

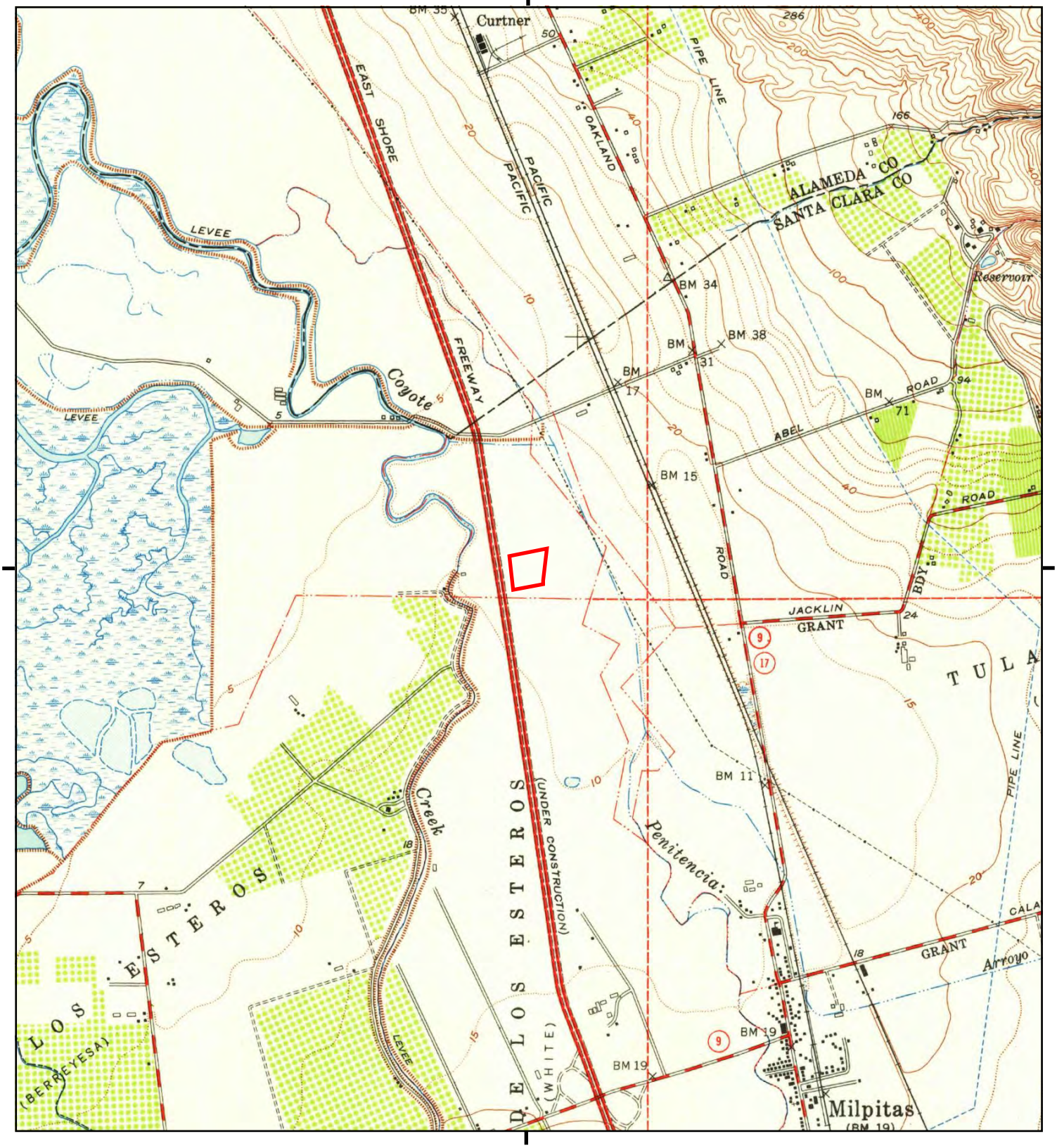
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Milpitas, 1961, 7.5-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

N



This report includes information from the following map sheet(s).

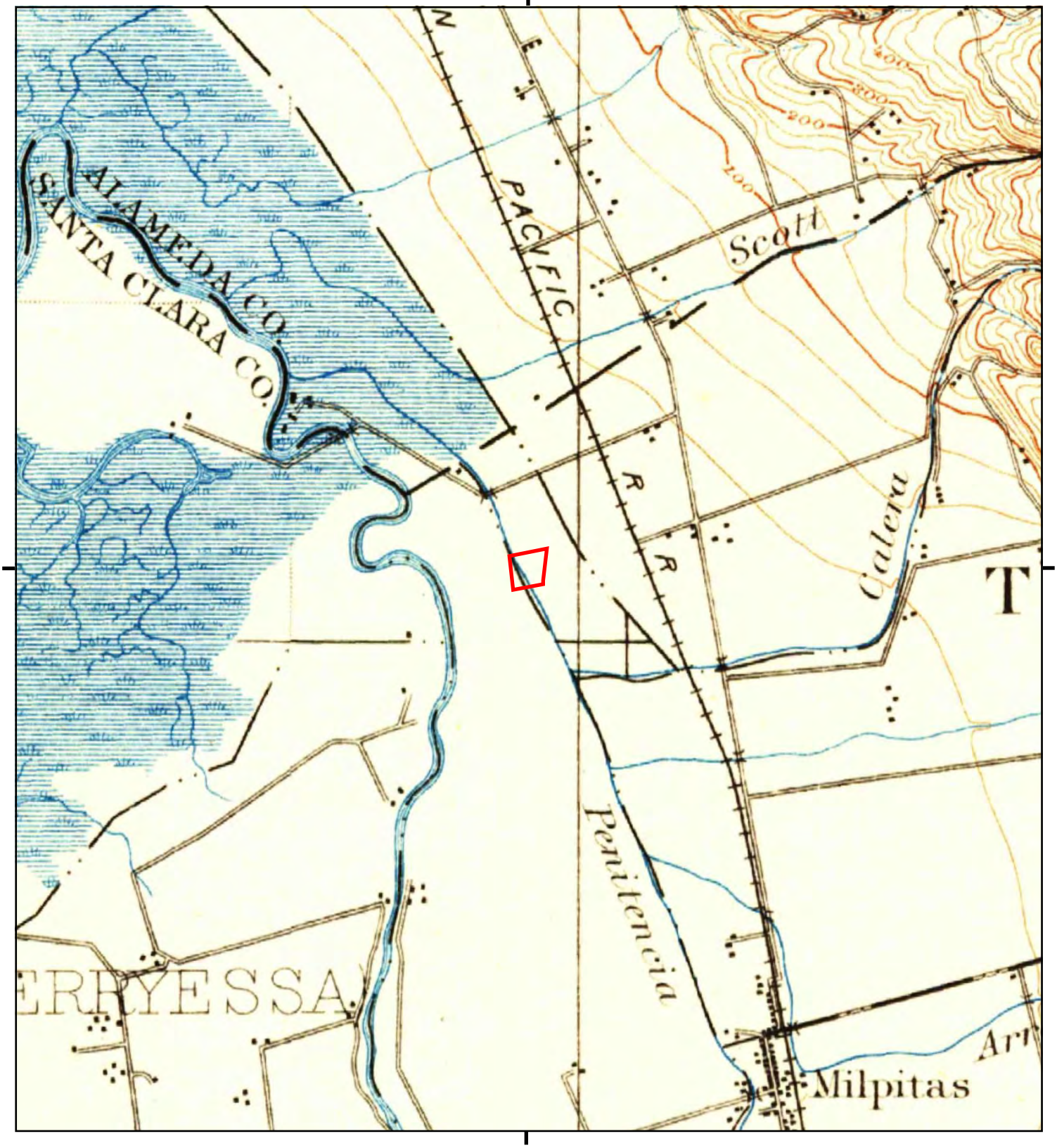
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Milpitas, 1953, 7.5-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

N



This report includes information from the following map sheet(s).

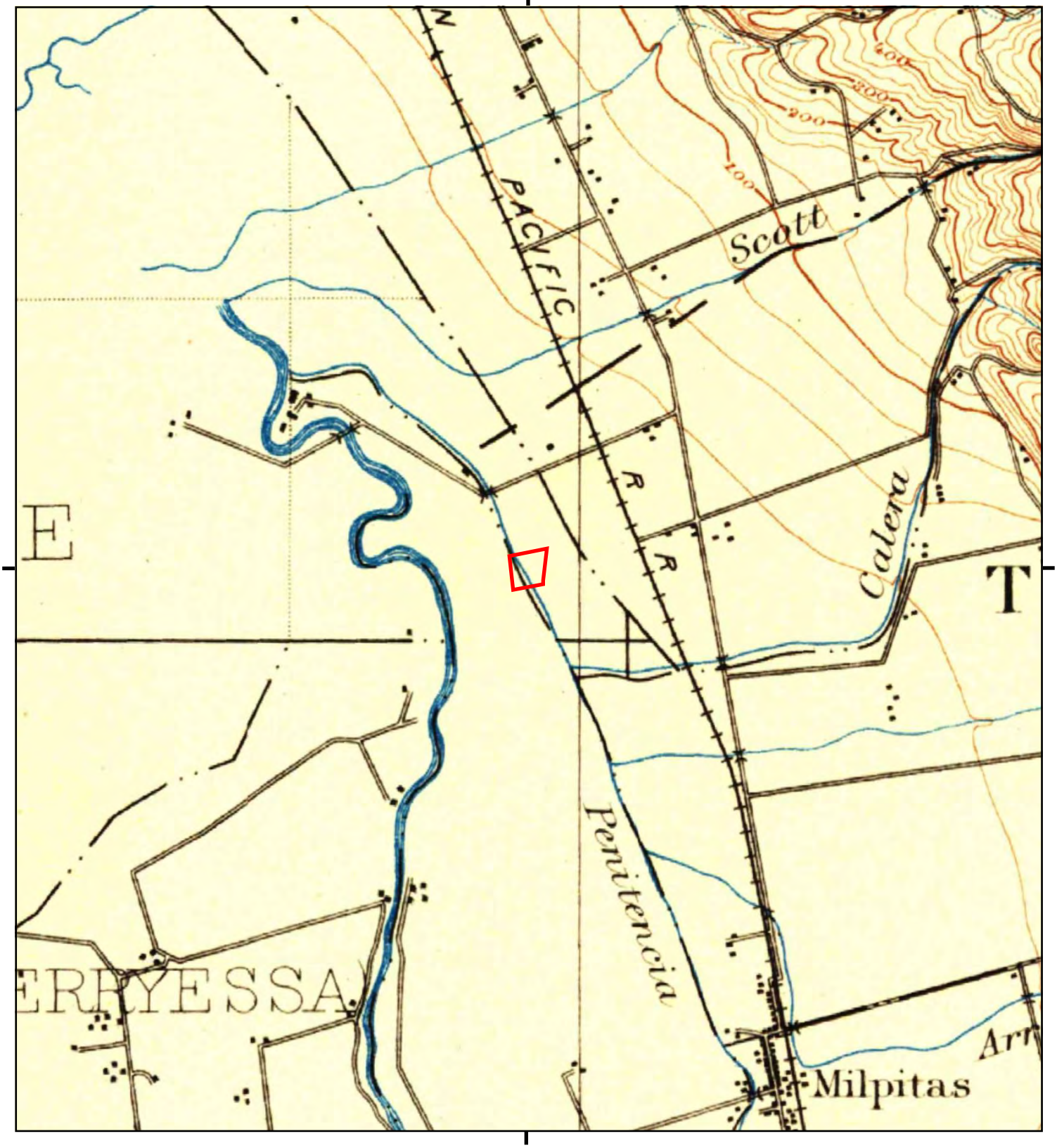
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Jose, 1899, 15-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

N



This report includes information from the following map sheet(s).

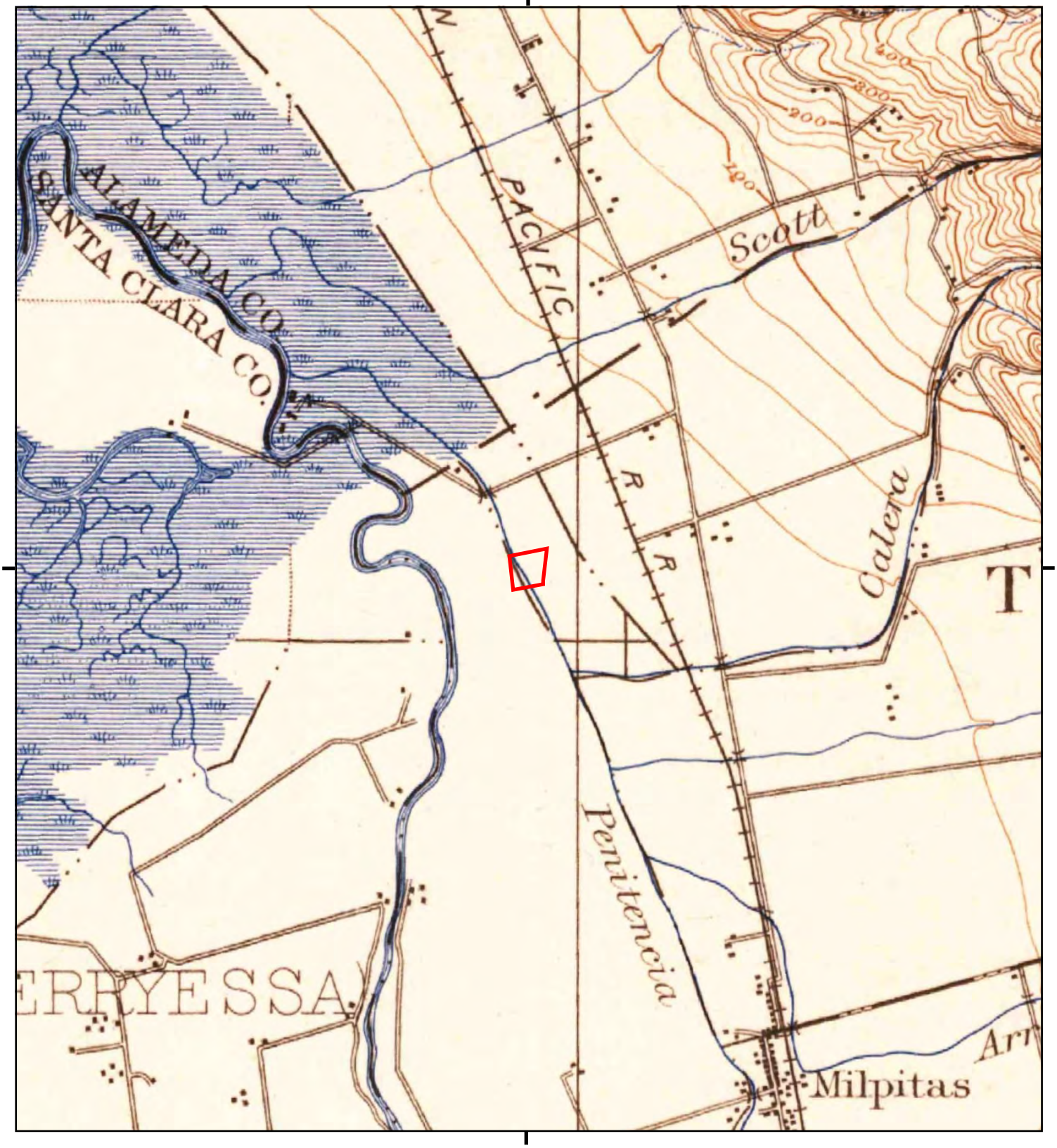
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Jose, 1897, 15-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

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, San Jose, 1889, 15-minute

SITE NAME: Phase I ESA
ADDRESS: 1355 California Circle
Milpitas, CA 95035
CLIENT: Cornerstone Earth Group

N

CORNERSTONE EARTH GROUP

APPENDIX E – LOCAL STREET DIRECTORY SEARCH RESULTS

Phase I ESA
1355 California Circle
Milpitas, CA 95035

Inquiry Number: 5662945.5
May 23, 2019

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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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.

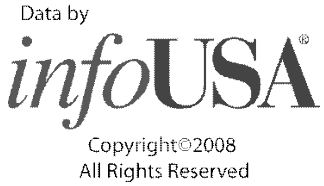
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	X	X	X	-
2006	Haines Company, Inc.	-	X	X	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines Company	-	-	-	-
1996	Pacific Bell	-	-	-	-
1991	Pacific Telephone	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	-	-	-	-
1982	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	-	-	-	-
1978	R. L. Polk & Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1975	R. L. Polk Co.	-	-	-	-
1974	R. L. Polk Co.	-	-	-	-
1970	R. L. Polk Co.	-	-	-	-
1968	R. L. Polk Co.	-	-	-	-
1966	R. L. POLK	-	-	-	-
1965	R. L. Polk Co.	-	-	-	-
1964	R. L. Polk Co.	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	R. L. Polk & Co.	-	-	-	-
1960	R. L. Polk Co.	-	-	-	-
1957	R. L. Polk Co.	-	-	-	-
1955	R.L. Polk and Co Publishers	-	-	-	-
1950	R. L. Polk Co.	-	-	-	-
1946	R. L. Polk Co.	-	-	-	-
1945	R. L. Polk Co.	-	-	-	-
1942	R.L. Polk	-	-	-	-
1940	R. L. Polk Co.	-	-	-	-
1936	R. L. Polk Co.	-	-	-	-
1935	R. L. Polk Co.	-	-	-	-
1931	R. L. Polk Co.	-	-	-	-
1930	R. L. Polk Co. of California	-	-	-	-
1926	R. L. Polk Co.	-	-	-	-
1925	R. L. Polk Co.	-	-	-	-
1922	R. L. Polk Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
1421 California Circle	Client Entered	
1301 California Circle	Client Entered	
1430 California Circle	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1355 California Circle
Milpitas, CA 95035

FINDINGS DETAIL

Target Property research detail.

California Cir

1355 California Cir

Year	*Uses*	*Source*
2014	LTX CREDENCE CORPORATION	EDR Digital Archive
	XCERRA CORPORATION	EDR Digital Archive
2010	LTX-CREDENCE CORPORATION	EDR Digital Archive

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

California Cir

1331 California Cir

Year	Uses	Source
2010	ARTESYN NORTH AMERICA INC	EDR Digital Archive
	ARTESYN NORTH AMERICA INC	EDR Digital Archive

CALIFORNIA CIR

1331 CALIFORNIA CIR

Year	Uses	Source
2006	PCTEL	Haines Company, Inc.

California Cir

1421 California Cir

Year	Uses	Source
2014	HYPERVISION INCORPORATED	EDR Digital Archive
	WESTERN DINING 1	EDR Digital Archive
	HYPERVISION INCORPORATED	EDR Digital Archive
	WESTERN DINING 1	EDR Digital Archive
2010	SCHLUMBERGER TECHNOLOGIES INC	EDR Digital Archive
	WESTERN DINING 1	EDR Digital Archive
	ERIC BYUNGDOO PAK	EDR Digital Archive
	HYPERVISION INCORPORATED	EDR Digital Archive
	HYPERVISION INCORPORATED	EDR Digital Archive
	SCHLUMBERGER TECHNOLOGIES INC	EDR Digital Archive
	WESTERN DINING 1	EDR Digital Archive
	ERIC BYUNGDOO PAK	EDR Digital Archive

1430 California Cir

Year	Uses	Source
2014	BAPS WEST	EDR Digital Archive
	SOLECTRON	EDR Digital Archive
	BAPS WEST	EDR Digital Archive
	SOLECTRON	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	BAPS WEST	EDR Digital Archive
	BAPS WEST	EDR Digital Archive

1436 California Cir

Year	Uses	Source
2014	SKANSKA USA CIVIL WEST CAL DST	EDR Digital Archive
	SKANSKA USA CIVIL WEST CAL DST	EDR Digital Archive

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1301 California Circle	2014, 2010, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1331 CALIFORNIA CIR	2014, 2010, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1331 California Cir	2014, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1331 California Cir	2014, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1421 California Cir	2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1421 California Cir	2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1421 California Circle	2014, 2010, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1430 California Cir	2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1430 California Cir	2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1430 California Circle	2014, 2010, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1436 California Cir	2010, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1436 California Cir	2010, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

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
1355 California Circle	2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

CORNERSTONE
EARTH GROUP

APPENDIX F – SELECTED AGENCY DOCUMENTS

RECEIVED
JAN - 7 1988
S.C.V.W.D.

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

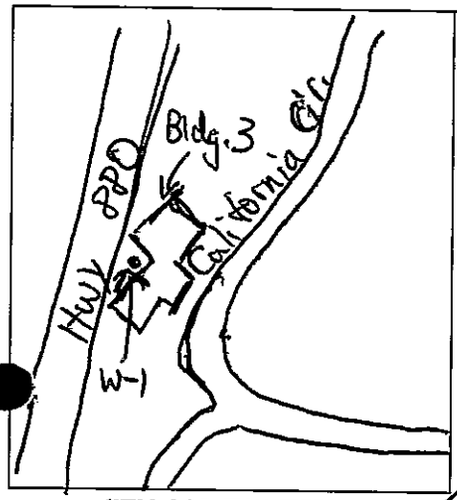
Do not fill in
No. 267795

Notice of Intent No. _____
Local Permit No. or Date 87W1570

State Well No. 053/W36Q02A
Other Well No. _____

(1
Ac
Ci

(2) LOCATION OF WELL (See instructions):
County Santa Clara Owner's Well Number W-1
Well address if different from above 1355 California Cir.
Township T5S Range R1W Section _____
Distance from cities, roads, railroads, fences, etc. _____



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☐
Municipal ☐
Other ☒ monitoring

(5) EQUIPMENT:
Rotary ☐ Reverse ☐
Cable ☐ Air ☐
Other ☒ Auger Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size #2/12
Diameter of bore 8"
Packed from 13 to 25 ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☒ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	25	2	Sch. 40

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
15	25	0.020

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 0-12 ft.
Were strata sealed against pollution? Yes ☒ No ☐ Interval 12-B ft.
Method of sealing Bentonite/grout

(10) WATER LEVELS:
Depth of first water, if known 18 ft.
Standing level after well completion _____ ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☒ If yes, by whom? _____
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test _____ ft. At end of test _____ ft.
Discharge _____ gal/min after _____ hours Water temperature _____
Chemical analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made Yes ☐ No ☒ If yes, attach copy to this report

(12) WELL LOG: Total depth 30 ft. Completed depth 25 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	0.2	Asphalt
0.2	1.5	Sandy gravel
1.5	4.5	Dk yellow brn Sandy Clay
4.5	5.6	Black Sandy Clay
5.6	13.5	Dk yellow brn Silty Clay
13.5	25.0	yellow brn Sandy Clay
25	30	Dk yellow brn Clay

Back filled 25-30 ft
Concrete miniat

Work started 7, Dec. 19 87 Completed 7, Dec. 19 87

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Signed DJ DAVISON / EXCELTECH ON BEHALF OF WAHLER (Well Driller)
NAME EXCELTECH (Person, firm, or corporation) (Typed or printed)
Address 41674 CHRISTY ST.
City FREMONT CA ZIP 94538
License No. C57-464324 Date of this report 12-29-87

DWR 188 (REV. 12-86) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 86 96355

1486

COPY NOT FOR PUBLIC USE
WATER CODE SEC. 13752
INITIAL

MILPITAS FIRE DEPARTMENT
HAZARDOUS MATERIALS & ENVIRONMENTAL SERVICES UNIT
HAZARDOUS MATERIALS INSPECTION REPORT
CALIFORNIA FIRE CODE, 2001
MILPITAS MUNICIPAL CODE, TITLE V, CHAPTER 300

Fire Department Number
04-0072

Inspection Date 03/19/04

CREDENCE SYSTEM
01355 California Cir
Milpitas, Ca 95035

_____ ( ) - ext.
Contact Phone Number

Permitted Activities:

AA	HM										

The Milpitas Fire Department conducted a Hazardous Materials inspection at the above address. This notice identifies code violations and the minimum requirements necessary to comply. Items marked with an "X" below will require your attention to come into compliance. Additional information may be written on this notice by the Inspector to provide you with direction for compliance.

		Date Abated
X	1. Storage cabinets for flammable or combustible liquids shall have well fitted self closing doors with a latching device; labeled "FLAMMABLE-KEEP FIRE AWAY"; bottom 2 inches liquid tight. [CFC 7902.5.9.3]	5/12/04
☐	2. All flammable and combustible liquids in excess of maintenance and work station amounts (10 gallons) shall be located in an approved storage cabinet. Volumes stored shall not exceed those permitted by the Fire Code. [CFC 7902.5.8]	
☐	3. Empty tanks and containers previously used for flammable and combustible liquids unless free from explosive vapors, shall be stored as full with cover or plugs in place. [CFC 7902.5.3]	
☐	4. Storage of class I, II, or IIIA liquids shall not be near exit doorways, stairways or a location which may impede egress. [CFC 7902.5.5]	
☐	5. Dispensing of class I liquids is only allowed from approved safety cans or original containers. [CFC 7903.1.3.5]	
☐	6. Class IA flammable liquids shall not be dispensed by gravity from tanks. [CFC 7903.1.3.5]	
☐	7. When a flammable mixture is transferred from one container to another one shall be grounded. Piping systems shall be permanently grounded. [CFC 7903.2.1.3]	
☐	8. Storage cabinets for hazardous materials liquids shall have well fitted, self closing doors equipped with a self latching device; bottom 2 inches liquid tight and labeled "HAZARDOUS-KEEP FIRE AWAY". [CFC 8001.10.6.2]	
☐	9. Secondary containment is required for areas where hazardous materials are stored. [CFC 8001.11.11 as amended by MMC V-300-2.81]	
☐	10. Individual storage areas shall have dedicated drainage to prevent mixing of incompatible materials. [CFC 8003.1.3.3]	
☐	11. Containers previously containing a regulated material shall not be used to store a different material unless container is cleaned in an approved manner and properly labeled for new contents. [CFC 8001.4.6]	
☐	12. All containers in storage shall be arranged in an approved manner, non-compatibles separated (flammables, corrosives, oxidizers, etc.). [CFC 8001.11.8]	
☐	13. Signs prohibiting smoking shall be provided in storage areas and within 25 feet of outdoor storage areas. [CFC 8001.8; 8003.1.2]	
☐	14. Gas cylinders shall be properly identified, located, and secured. [CFC 7401.5.1; 7401.6.4]	
☐	15. Empty containers and tanks previously used for the storage of hazardous materials shall be free from residual materials and vapor as defined by DOT, RCRA or other regulating authority or maintained as specified for the storage of hazardous materials. [CFC 8001.4.6]	
☐	16. Open flames & high-temperature devices shall not be used in a manner which creates a hazardous condition. [CFC 8001.9]	

Fire Department Number 04-0072

- ☐ 17. Material Safety Data Sheets (MSDS) shall be available at the facility for all materials present. [CFC 8001.6]
- ☐ 18. All regulated material waste shall be disposed of in an approved manner. Hazardous materials shall not be released into the sewer, storm drain, ditch, drainage canal, lake, river, or tidal waterway, or upon the ground, sidewalk, street, highway or into the atmosphere. [CFC 8001.5.1]
- ☐ 19. Individual containers, cartons, packages shall be conspicuously marked or labeled in accordance with nationally recognized standards. [CFC 8001.8]
- ☒ 20. Entrances to areas where hazardous materials are stored, and stationary above ground tanks shall be placarded with NFPA 704 Hazard Signal System for the material(s) contained. [CFC 8001.7 , 8003.1.2] - replace Diesel Area 3/19/04
- ☐ 21. All above ground piping shall be properly secured and labeled identifying product and direction of flow every 20 feet. [CFC 8001.4.3.2 as amended by MMC-V-300-2.52]
- ☐ 22. Process equipment shall be maintained as designed to prevent accidental discharge of hazardous materials. [CFC 8001.4.7.1]
- ☐ 23. A (revised) Hazardous Materials Business Plan shall be submitted within 10 days.[CFC 8001.3.2]
- ☒ 24. A monitoring method capable of detecting hazardous material leakage from the primary containment into the secondary containment shall be provided. [CFC 8001.11.10 as amended by MMC-V-300-2.80] verify monitoring on diesel tanks *
- ☐ 25. Routine inspections of all hazardous materials storage areas and spills of hazardous materials shall be recorded, on a weekly basis, on a monitoring log. [CFC 8001.11.10]
- ☐ 26. All processes new to the facility shall have Fire Department approval prior to installation and use. [CFC 8001.3.1]
- ☐ 27. A permit is required to install, repair, abandon, remove, place temporarily out of service, close or substantially modify a storage facility. [CFC 8001.3.1]

ADDITIONAL VIOLATIONS:

☐ See supplemental sheet for additional violations.

ORDERS:

x 1. provide exit sign in storage area 5-12-04

2.

COMMENTS:

Add High Pile Storage permit - referred to Asst. Fire Marshal 5/6/23-04

x Diesel tanks repaired - will not be used until monitoring is in place filled

REFERRALS:

Your facility will be referred to the following agency(s) for items noted during this inspection which are beyond the scope of this inspection:

☐ **No Hazardous Material violations were observed during the initial inspection.**

For your information: If your business handles hazardous waste, Santa Clara County Hazardous Materials Compliance Division may perform an inspection of your business. For more information, contact 918-3400.

If necessary, a 1st and 2nd re-inspection shall be conducted on or about 30 days from the initial inspection and 15 days from the 1st re-inspection respectively to determine if violation(s) noted above have been corrected and/or orders have been complied with.

Failure to comply with orders and correct violations may render you liable to the penalties as set forth by law, including, but not limited to, administrative, civil and/or criminal citations.

The Fire Department prefers compliance be obtained through the willingness of an individual to comply, and as always, remains ready to assist in this process. If you have any questions or wish to discuss this matter, please contact this office at (408) 586-3365.

Received By: L Pearson Inspector: Claudia

Milpitas Fire Department, Bureau of Fire Prevention, 455 E. Calaveras Blvd., Milpitas, CA 95035
Phone (408) 586-3365 FAX (408) 586-3378

Distribution: WHITE - Fire Department Address File
YELLOW - Business Responsible

1421 CA.Cir

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION
BUSINESS ACTIVITIES

COPY

I. FACILITY IDENTIFICATION

FACILITY ID # *(Agency Use Only)*	1.	EPA ID # (Hazardous Waste Only)	2.
		TBA	

BUSINESS NAME (Same as Facility Name or DBA - Doing Business As) 3.

Credence Systems Corp.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...	If Yes, please complete these pages of the UPCF...	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4.	HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
1. Own or operate underground storage tanks?	☐ YES ☒ NO 5.	
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6.	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7.	UST TANK (closure portion - one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☒ NO 8.	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☒ YES ☐ NO 9.	EPA ID NUMBER - provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	☐ YES ☒ NO 10.	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO 11.	ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12.	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13.	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14.	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15.

(You may also be required to provide additional information by your CUPA or local agency.)

REVISED 4/20/2007

Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

BUSINESS NAME: Credence | **DATE:** 8/9/2005 | **PAGE:** 1 of 3

LOCATION: Test Lab | **EPCRA CONFIDENTIAL:** NO | **TRADE SECRET:** NO | **FACILITY ID#:** 43-011-TMP037-SUBMITTED-09-AUGUST-05

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
3	**Map:** NONE **Grid:** NONE	*N-HEPTANE **CAS#:** 142-82-5 **EHS:** NO	COMPONENT NAME: N-HEPTANE; EHS: N; %: 100; CAS#: 142-82-5	LIQUID (PURE)	**MAX:** 0.125 **LARGEST:** 0.025 **AVG:** 0.025 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE ACUTE HEALTH
9	**Map:** NONE **Grid:** NONE	3,3-DICHLORO-1,1,2,2,3-P-ENTAFLUOROPROPANE **CAS#:** 422-56-0 **EHS:** NO	COMPONENT NAME: 3,3-DICHLORO-1,1,2,2,3-PE...; EHS: N; %: 100; CAS#: 422-56-0	LIQUID (MIXTURE)	**MAX:** 45 **LARGEST:** 5 **AVG:** 20 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE
3	**Map:** NONE **Grid:** NONE	ACETONE **CAS#:** 67-64-1 **EHS:** NO	COMPONENT NAME: ACETONE; EHS: N; %: 100; CAS#: 67-64-1	LIQUID (PURE)	**MAX:** 0.25 **LARGEST:** 0.125 **AVG:** 0.125 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** E	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE ACUTE HEALTH
9	**Map:** NONE **Grid:** NONE	FLUORINERT FC 77 **CAS#:** 86508-42-1 **EHS:** NO	COMPONENT NAME: PERFLUORO COMPOUNDS, C5-1...; EHS: N; %: 100; CAS#: 86508-42-1	LIQUID (MIXTURE)	**MAX:** 45 **LARGEST:** 5 **AVG:** 35 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE
3	**Map:** NONE **Grid:** NONE	GALDEN **CAS#:** GALDEN **EHS:** NO	COMPONENT NAME: GALDEN; EHS: N; %: 100; CAS#: GALDEN	LIQUID (MIXTURE)	**MAX:** 1 **LARGEST:** 1 **AVG:** 1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE
0	**Map:** NONE **Grid:** NONE	HFE-7100 **CAS#:** NONE **EHS:** NO	COMPONENT NAME: HFE-7100; EHS: N; %: 100; CAS#:	LIQUID (MIXTURE)	**MAX:** 25 **LARGEST:** 5 **AVG:** 15 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	CHRONIC HEALTH

STORAGE CONTAINER CODES

A = Aboveground Tank, B = Belowground Tank, C = Tank Inside Building, D = Steel Drum, E = Plastic/Nonmetallic Drum, F = Can, G = Carboy, H = Silo, I = Fiber Drum, J = Bag, K = Box, L = Cylinder, M = Glass Bottle or Jug, N = Plastic Bottle or Jug, O = Tote Bin, P = Tank Wagon, Q = Rail Car, R = Other

OTHER ABBREVIATIONS

MAX = Max. Amount Daily, AVG = Avg. Amount Daily, DAYS = Days On Site, LARGEST = Largest Container, CURIES = Curies (in mCi), CONTAINERS = Storage Containers

If EPCRA, Please Sign Here: _____

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Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

BUSINESS NAME: Credence | **DATE:** 8/9/2005 | **PAGE:** 2 of 3

LOCATION: Test Lab | **EPCRA CONFIDENTIAL:** NO | **TRADE SECRET:** NO | **FACILITY ID#:** 43-011-TMP037-SUBMITTED-09-AUGUST-05

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
3	**Map:** NONE **Grid:** NONE	IPA **CAS#:** 67-63-0 **EHS:** NO	COMPONENT NAME: 2 PROPANOL; EHS: N; %: 100; CAS#: 67-63-0	LIQUID (PURE)	**MAX:** 0.25 **LARGEST:** 1.0 **AVG:** 0.125 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE
3	**Map:** NONE **Grid:** NONE	METHYL NONAFLUOROISOBUTYL ETHER **CAS#:** 163702-08-7 **EHS:** NO	COMPONENT NAME: METHYL NONAFLUOROISOBUTYL...; EHS: N; %: 100; CAS#: 163702-08-7	LIQUID (PURE)	**MAX:** 45 **LARGEST:** 5 **AVG:** 35 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE
2.2	**Map:** NONE **Grid:** NONE	NITROGEN **CAS#:** 7727-37-9 **EHS:** NO	COMPONENT NAME: NITROGEN; EHS: N; %: 100; CAS#: 7727-37-9	GAS (PURE)	**MAX:** 3000 **LARGEST:** 500 **AVG:** 2250 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** L	CUFT	**Pressure** > AMB. **Temp** AMBIENT	PRESSURE RELEASE ACUTE HEALTH
0	**Map:** NONE **Grid:** NONE	SOLDER **CAS#:** NONE **EHS:** NO	COMPONENT NAME: SOLDER; EHS: N; %: 100; CAS#:	SOLID (MIXTURE)	**MAX:** 5 **LARGEST:** 1 **AVG:** 1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE
3	**Map:** NONE **Grid:** NONE	SOLDERING FLUX **CAS#:** NONE **EHS:** NO	SEC-BUTYL ALCOHOL; N; 10-25; 78-92-2 ETHANOL; N; 10-25; 64-17-5 ROSIN; N; 25-50; 8050-09-7	LIQUID (MIXTURE)	**MAX:** 0.5 **LARGEST:** 0.125 **AVG:** 0.25 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** E	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE
9	**Map:** NONE **Grid:** NONE	SOLDERING FLUX CONTAINING GLUAMIC ACID **CAS#:** 138-15-8 **EHS:** NO	UREA; N; 2.5-10; 57-13-6 HYDROCHLORIC ACID <10%; N; 1; 7647-01-0	LIQUID (MIXTURE)	**MAX:** 0.5 **LARGEST:** 0.125 **AVG:** 0.25 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** E	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE

STORAGE CONTAINER CODES

A = Aboveground Tank, B = Belowground Tank, C = Tank Inside Building, D = Steel Drum, E = Plastic/Nonmetallic Drum, F = Can, G = Carboy, H = Silo, I = Fiber Drum, J = Bag, K = Box, L = Cylinder, M = Glass Bottle or Jug, N = Plastic Bottle or Jug, O = Tote Bin, P = Tank Wagon, Q = Rail Car, R = Other

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Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

BUSINESS NAME: Credence		**DATE:** 8/9/2005	**PAGE:** 3 of 3
LOCATION: Test Lab	**EPCRA CONFIDENTIAL:** NO	**TRADE SECRET:** NO	**FACILITY ID#:** 43-011-TMP037-SUBMITTED-09-AUGUST-05

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
3	**Map:** NONE **Grid:** NONE	SOLVENT **CAS#:** 8032324 **EHS:** NO	COMPONENT NAME: SOLVENT; EHS: N; %: 100; CAS#: 8032324	LIQUID (MIXTURE)	**MAX:** 0.5 **LARGEST:** 1 **AVG:** 0.1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N, R	GAL	Pressure: AMBIENT; Temp: AMBIENT	FIRE

STORAGE CONTAINER CODES

A = Aboveground Tank	D = Steel Drum	G = Carboy	J = Bag	M = Glass Bottle or Jug	P = Tank Wagon
B = Belowground Tank	E = Plastic/Nonmetallic Drum	H = Silo	K = Box	N = Plastic Bottle or Jug	Q = Rail Car
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MAX = Max. Amount Daily	LARGEST = Largest Container
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DAYS = Days On Site	CONTAINERS = Storage Containers

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If EPCRA, Please Sign Here: _____

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13556 Cr.

pg. 1

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID # *(Agency Use Only)*	1.	EPA ID # (Hazardous Waste Only)	2.
		TBA	

BUSINESS NAME (Same as Facility Name or DBA - Doing Business As) 3.

Credence Systems Corp.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF...
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4.	HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		UST FACILITY (Formerly SWRCB Form A)
1. Own or operate underground storage tanks?	☐ YES ☒ NO 5.	UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6.	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7.	UST TANK (closure portion - one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)		
Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☒ YES ☐ NO 8.	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☒ YES ☐ NO 9.	EPA ID NUMBER - provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	☐ YES ☒ NO 10.	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO 11.	ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12.	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13.	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14.	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15.

(You may also be required to provide additional information by your CUPA or local agency.)

Date: 12/23/03

Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

Business Name: (Same as Facility Name or DBA) CREDENCE SYSTEMS, INC. (BLDG 2) 1355 CALIFORNIA CIRCLE, MILPITAS

Type of Report on This Page: ☒ Add; ☐ Delete; ☐ Revise

Page 1 **of** 1 (One page per building or area)

Chemical Location: (Building/Storage Area) TEST AND ASSEMBLY

EPCRA Confidential Location? ☐ Yes; ☒ No

Trade Secret Information? ☐ Yes; ☒ No

Facility ID # (Agency Use Only)

1. Haz. Class	2. Map and Grid or Location Code	3. Common Name	4. Hazardous Components (For mixtures only) Chemical Name	% Wt.	EHS	CAS No.	5. Type and Physical State	6. Quantities Max. Daily	Average Daily	Largest Cont.	7. Units	8. Storage Codes Storage Pressure	Storage Temp.	9. Hazard Categories
FL	TEST AND ASSEMBLY	ACCELERATOR 7452	ACETONE	95-100	☐	67-64-1	☐ pure ☒ mixture	3	3	1	☒ gallons ☐ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☒ fire ☐ reactive ☐ pressure release ☒ acute health ☐ chronic health ☐ radioactive
		CAS No.: ☐ EHS	N, N-DIALKYLTOLUIDINE	0.1-1	☐	99-97-8	☐ solid ☒ liquid ☐ gas	Curies: (If radioactive) —	Days On Site: 365	Storage Container:* N				
FL	TEST AND ASSEMBLY	ACTIVATOR 7387	N-HEPTANE	30-60	☐	142-82-5	☐ pure ☒ mixture	3	3	1	☒ gallons ☐ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☒ acute health ☐ chronic health ☐ radioactive
		CAS No.: ☐ EHS	ISO PROPYL ALCOHOL	10-30	☐	67-63-0	☐ solid ☒ liquid ☐ gas	Curies: (If radioactive) —	Days On Site: 365	Storage Container:* N				
FL	TEST AND ASSEMBLY	IPA-1610-G4 ISOPROPYL ALCOHOL	2-PROPANOL	>90	☐	67-63-0	☐ pure ☒ mixture	5	5	1	☒ gallons ☐ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☒ fire ☐ reactive ☐ pressure release ☒ acute health ☒ chronic health ☐ radioactive
		CAS No.: ☐ EHS					☐ solid ☒ liquid ☐ gas	Curies: (If radioactive) —	Days On Site: 365	Storage Container:* N				
FL	TEST AND ASSEMBLY	FLUX WS 362-25	ISOPROPANOL	70-80	☐	67-63-0	☐ pure ☒ mixture	5	5	1	☒ gallons ☐ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☒ fire ☐ reactive ☐ pressure release ☒ acute health ☒ chronic health ☐ radioactive
		CAS No.: ☐ EHS	MALIC ACID	1-5	☐	6915-15-7	☐ solid ☒ liquid ☐ gas	Curies: (If radioactive) —	Days On Site: 365	Storage Container:* N				
			TRI ISO PROPANOL AMINE	1-5	☐	122-20-3								
IRR	TEST AND ASSEMBLY	FLUX 1429	GLUTAMIC ACID HYDROCHLORIDE	11	☐	138-15-8	☐ pure ☒ mixture	3	3	1	☒ gallons ☐ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☒ acute health ☒ chronic health ☐ radioactive
		CAS No.: ☐ EHS	UREA	9	☐	057-13-6	☐ solid ☒ liquid ☐ gas	Curies: (If radioactive) —	Days On Site: 365	Storage Container:* N				
			CARBOXYLIC ACIDS	3	☐	68603-86-1								
IRR	TEST AND ASSEMBLY	CORED SOLDER HF-1189CF	LEAD	1-3	☐	7439-92-1	☐ pure ☒ mixture	250	250	1	☐ gallons ☒ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☒ acute health ☒ chronic health ☐ radioactive
		CAS No.: ☐ EHS	TIN	1-3	☐	7440-31-5	☒ solid ☐ liquid ☐ gas	Curies: (If radioactive) —	Days On Site: 365	Storage Container:* R				
			SILVER	1-3	☐	7440-22-4								
			BISMUTH	1-3	☐	7440-69-9								
			ANTIMONY	1-3	☐	7440-36-0								

* Code: A Aboveground Tank; B Belowground Tank; C Tank Inside Building; D Steel Drum; E Plastic/Non-metallic Drum; F Can; G Carboy; H Silo; I Fiber Drum; J Bag; K Box; L Cylinder; M Glass Bottle or Jug; N Plastic Bottle or Jug; O Tote Bin; P Tank Wagon; Q Rail Car; R Other

If EPCRA, sign below:

Date: 12/23/03

Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

Business Name: (Same as Facility Name or DBA) CREDENCE SYSTEMS, INC. (BLDG 2) 1355 CALIFORNIA CIRCLE, MILPITAS

Type of Report on This Page: [X] Add; [ ] Delete; [ ] Revise

Page 1 **of** 1 (One page per building or area)

Chemical Location: (Building/Storage Area) ELECTRICAL/GENERATOR YARD

EPCRA Confidential Location? [ ] Yes; [X] No

Trade Secret Information? [ ] Yes; [X] No

Facility ID # (Agency Use Only)

1. Haz. Class	2. Map and Grid or Location Code	3. Common Name	4. Hazardous Components (For mixtures only) Chemical Name	% Wt.	EHS	CAS No.	5. Type and Physical State	6. Quantities Max. Daily	Average Daily	Largest Cont.	7. Units	8. Storage Codes Storage Pressure	Storage Temp.	9. Hazard Categories
CL	GENERATOR YARD	#2 DIESEL	FUEL RANGE STRAIGHT RUN MIDDLE DIST.	99-99	[ ]	68814-87-9	[ ] pure [X] mixture	3150	3150	1000	[X] gallons [ ] pounds [ ] cu. feet [ ] tons	[X] ambient [ ] > amb. [ ] < amb.	[X] ambient [ ] > amb. [ ] < amb. [ ] cryogenic	[X] fire [ ] reactive [ ] pressure release [X] acute health [X] chronic health [ ] radioactive
			HYDROTREATED MIDDLE DIST.	99-99	[ ]	64742-46-7								
			LIGHT CATALYTIC CRACKED DIST.	39-99	[ ]	64741-59-9	[ ] solid [X] liquid [ ] gas	Curies: (If radioactive) —	Days On Site: 365	Storage Container:* A				
		CAS No.:	BENZENE	0-01-0.1	[ ]	71-43-2								
		[ ] EHS	SULPHUR	0-0.04	[ ]	7704-34-9								
					[ ]		[ ] pure [ ] mixture				[ ] gallons [ ] pounds [ ] cu. feet [ ] tons	[ ] ambient [ ] > amb. [ ] < amb.	[ ] ambient [ ] > amb. [ ] < amb. [ ] cryogenic	[ ] fire [ ] reactive [ ] pressure release [ ] acute health [ ] chronic health [ ] radioactive
		CAS No.:			[ ]		[ ] solid [ ] liquid [ ] gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		[ ] EHS			[ ]									
					[ ]		[ ] pure [ ] mixture				[ ] gallons [ ] pounds [ ] cu. feet [ ] tons	[ ] ambient [ ] > amb. [ ] < amb.	[ ] ambient [ ] > amb. [ ] < amb. [ ] cryogenic	[ ] fire [ ] reactive [ ] pressure release [ ] acute health [ ] chronic health [ ] radioactive
		CAS No.:			[ ]		[ ] solid [ ] liquid [ ] gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		[ ] EHS			[ ]									
					[ ]		[ ] pure [ ] mixture				[ ] gallons [ ] pounds [ ] cu. feet [ ] tons	[ ] ambient [ ] > amb. [ ] < amb.	[ ] ambient [ ] > amb. [ ] < amb. [ ] cryogenic	[ ] fire [ ] reactive [ ] pressure release [ ] acute health [ ] chronic h [ ] radioactive
		CAS No.:			[ ]		[ ] solid [ ] liquid [ ] gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		[ ] EHS			[ ]									
					[ ]		[ ] pure [ ] mixture				[ ] gallons [ ] pounds [ ] cu. feet [ ] tons	[ ] ambient [ ] > amb. [ ] < amb.	[ ] ambient [ ] > amb. [ ] < amb. [ ] cryogenic	[ ] fire [ ] reactive [ ] pressure release [ ] acute health [ ] chronic health [ ] radioactive
		CAS No.:			[ ]		[ ] solid [ ] liquid [ ] gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		[ ] EHS			[ ]									
					[ ]		[ ] pure [ ] mixture				[ ] gallons [ ] pounds [ ] cu. feet [ ] tons	[ ] ambient [ ] > amb. [ ] < amb.	[ ] ambient [ ] > amb. [ ] < amb. [ ] cryogenic	[ ] fire [ ] reactive [ ] pressure release [ ] acute health [ ] chronic health [ ] radioactive
		CAS No.:			[ ]		[ ] solid [ ] liquid [ ] gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		[ ] EHS			[ ]									

* Storage Container Codes

Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type
A	Aboveground Tank	D	Steel Drum	G	Carboy	J	Bag	M	Glass Bottle or Jug	P	Tank Wagon
B	Belowground Tank	E	Plastic/Non-metallic Drum	H	Silo	K	Box	N	Plastic Bottle or Jug	Q	Rail Car
C	Tank Inside Building	F	Can	I	Fiber Drum	L	Cylinder	O	Tote Bin	R	Other

If EPCRA, sign below:

_____

New

Date: 6/22/04

Hazardous Waste Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

Business Name: (Same as Facility Name or DBA) Credence Systems Corp

Type of Report on This Page: ☒ Add; ☐ Delete; ☐ Revise

Page 1 of ____ (One page per building or area)

Chemical Location: (Building/Storage Area) 1355 California Circle

EPCRA Confidential Location? ☐ Yes; ☒ No

Trade Secret Information? ☐ Yes; ☒ No

Facility ID # (Agency Use Only)

1. Haz. Class	2. Map and Grid or Location Code	3. Waste Stream Name	4. Hazardous Components: Chemical Name	% Wt.	EHS	CAS No.	5. Type and Physical State	6. Quantities: Max. Daily	Average Daily	Largest Cont.	7. Annual Waste Amount	8. Units	9. Storage Codes: Storage Pressure	Storage Temp.	10. Hazard Categories
TOX	Generators	Metals (Lead) Contaminated debris	Lead	5	☐	7439-92-1	☒ waste	200	200	55	400	☒ gallons ☐ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☒ acute health ☒ chronic health ☐ radioactive
		Management Method: ☒ Shipped Off-site ☐ Recycled On-site ☐ Treated On-site	Tin	5	☐	7440-31-5	☒ solid ☐ liquid ☐ gas	Curies: (If radioactive) 0	Days On Site: 365	Storage Container:* E	State Waste Code: 181				
			Zinc	Variable	☐	7440-66-6									
			Copper		☐	7440-50-8									
TOX	mfgr. solder area	satellite wipes storage contaminated	Lead	5	☐	7439-92-1	☒ waste	120	120	10	400	☐ gallons ☒ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☒ acute health ☒ chronic health ☐ radioactive
		Management Method: ☒ Shipped Off-site ☐ Recycled On-site ☐ Treated On-site	Tin	5	☐	7440-31-5	☒ solid ☐ liquid ☐ gas	Curies: (If radioactive) 0	Days On Site: 365	Storage Container:* F	State Waste Code: 181				
			Zinc	Variable	☐	7440-66-6									
			Copper		☐	7440-50-8									
					☐		☒ waste					☐ gallons ☐ pounds ☐ cu. feet ☐ tons	☐ ambient ☐ > amb. ☐ < amb.	☐ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☐ acute health ☐ chronic health ☐ radioactive
		Management Method: ☐ Shipped Off-site ☐ Recycled On-site ☐ Treated On-site			☐		☐ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site:	Storage Container:*	State Waste Code:				
					☐		☒ waste					☐ gallons ☐ pounds ☐ cu. feet ☐ tons	☐ ambient ☐ > amb. ☐ < amb.	☐ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☐ acute health ☐ chronic health ☐ radioactive
		Management Method: ☐ Shipped Off-site ☐ Recycled On-site ☐ Treated On-site			☐		☐ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site:	Storage Container:*	State Waste Code:				
					☐		☒ waste					☐ gallons ☐ pounds ☐ cu. feet ☐ tons	☐ ambient ☐ > amb. ☐ < amb.	☐ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☐ acute health ☐ chronic health ☐ radioactive
		Management Method: ☐ Shipped Off-site ☐ Recycled On-site ☐ Treated On-site			☐		☐ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site:	Storage Container:*	State Waste Code:				
					☐		☒ waste					☐ gallons ☐ pounds ☐ cu. feet ☐ tons	☐ ambient ☐ > amb. ☐ < amb.	☐ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☐ acute health ☐ chronic health ☐ radioactive
		Management Method: ☐ Shipped Off-site ☐ Recycled On-site ☐ Treated On-site			☐		☐ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site:	Storage Container:*	State Waste Code:				

* Storage Container Codes

Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type
A	Aboveground Tank	D	Steel Drum	G	Carboy	J	Bag	M	Glass Bottle or Jug	P	Tank Wagon
B	Belowground Tank	E	Plastic/Nonmetallic Drum	H	Silo	K	Box	N	Plastic Bottle or Jug	Q	Rail Car
C	Tank Inside Building	F	Can	I	Fiber Drum	L	Cylinder	O	Tote Bin	R	Other

If EPCRA, sign below: _____

(12)

Emergency Response/Contingency Plan

(Hazardous Materials Business Plan Module)

Authority Cited: HSC, Section 25504(b); Title 22, Div. 4.5, Ch. 12, Art. 3 CCR Page ___ of ___

All facilities that handle hazardous materials in specified quantities must have a written emergency response plan. In addition, facilities that generate 1,000 kilograms or more of hazardous waste per month, or accumulate more than 6,000 kilograms of hazardous waste on-site at any one time, must prepare a contingency plan. Because the requirements are similar, they have been combined in a single document, provided below, for your convenience. This plan is a required module of the Hazardous Materials Business Plan (HMBP). **If you already have a plan that meets these requirements, you should not complete the blank plan, below, but you must include a copy of your existing plan as part of your HMBP.**

This site-specific Emergency Response/Contingency Plan is the facility's plan for dealing with emergencies and shall be implemented immediately whenever there is a fire, explosion, or release of hazardous materials that could threaten human health and/or the environment. **At least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency.** Within Santa Clara County, hospitals and police agencies have delegated receipt of these plans to the local agencies administering Hazardous Materials Business Plans, so additional copies need not be submitted. However, a copy of the plan and any revisions must be provided to any contractor, hospital, or agency with whom special (i.e. contractual) emergency services arrangements have been made *(see section 3, below)*.

1. Evacuation Plan:

a. The following alarm signal(s) will be used to begin evacuation of the facility *(check all that apply)*:

☐ Bells; ☒ Horns/Sirens; ☐ Verbal *(i.e. shouting)*; ☒ Other *(specify)* Strobes

b. ☒ Evacuation map is prominently displayed throughout the facility.

Note: A properly completed HMBP Site Plan satisfies contingency plan map requirements. This drawing (or any other drawing that shows primary and alternate evacuation routes, emergency exits, and primary and alternate staging areas) must be prominently posted throughout the facility in locations where it will be visible to employees and visitors.

2. a. Emergency Contacts*:

Fire/Police/Ambulance	Phone No. **911**
State Office of Emergency Services	Phone No. **(800) 852-7550**

b. Post-Incident Contacts*:

Fire Department Hazardous Materials Program	Phone No.: (408) 586-3365
Santa Clara County Hazardous Materials Compliance Division	Phone No. **(408) 918-3400**
California EPA Department of Toxic Substances Control	Phone No. **(510) 540-3739**
Cal-OSHA Division of Occupational Safety and Health	Phone No. **(408) 452-7288**
Air Quality Management District	Phone No. **(415) 771-6000**
Regional Water Quality Control Board	Phone No. **(510) 622-2300**

** These telephone numbers are provided as a general aid to emergency notification. Be advised that additional agencies may be required to be notified.*

c. Emergency Resources:

Poison Control Center ..... Phone No. **(800) 876-4766**

Nearest Hospital: Name: Regional Medical Center Phone No.: (408) 259-5000

Address: 225 N. Jackson City: San Jose

3. Arrangements With Emergency Responders:

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements below:

DeCon Technologies is the ERT for Credence
(408) 235-8585

4. Emergency Procedures:

Emergency Coordinator Responsibilities:

a. Whenever there is an imminent or actual emergency situation such as a explosion, fire, or release, the emergency coordinator *(or his/her designee when the emergency coordinator is on call)* shall:
   i. Identify the character, exact source, amount, and areal extent of any released hazardous materials.
   ii. Assess possible hazards to human health or the environment that may result from the explosion, fire, or release. This assessment must consider both direct and indirect effects *(e.g. the effects of any toxic, irritating, or asphyxiating gases that are generated, the effects of any hazardous surface water run-off from water or chemical agents used to control fire, etc.)*.
   iii. Activate internal facility alarms or communications systems, where applicable, to notify all facility personnel.
   iv. Notify appropriate local authorities *(i.e. call 911)*.
   v. Notify the State Office of Emergency Services at 1-800-852-7550.
   vi. Monitor for leaks, pressure build-up, gas generation, or ruptures in valves, pipes, or other equipment shut down in response to the incident.
   vii. Take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other hazardous materials at the facility.

b. Before facility operations are resumed in areas of the facility affected by the incident, the emergency coordinator shall:
   i. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from a explosion, fire, or release at the facility.
   ii. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.
   iii. Ensure that all emergency equipment is cleaned, fit for its intended use, and available for use.
   iv. Notify the California Environmental Protection Agency's Department of Toxic Substances Control, the County of Santa Clara's Hazardous Materials Compliance Division, and the local fire department's hazardous materials program that the facility is in compliance with requirements b-i and b-ii, above.

Responsibilities of Other Personnel:

On a separate page, list any emergency response functions not covered in the "Emergency Coordinator Responsibilities" section, above. Next to each function, list the job title or name of each person responsible for performing the function. Number the page(s) appropriately.

5. Post-Incident Reporting/Recording:

The time, date, and details of any hazardous materials incident that requires implementation of this plan shall be noted in the facility's operating record.

Within 15 days of any hazardous materials emergency incident or threatened hazardous materials emergency incident that triggers implementation of this plan, a written Emergency Incident Report, including, but not limited to a description of the incident and the facility's response to the incident, must be submitted to the California Environmental Protection Agency's Department of Toxic Substances Control, the County of Santa Clara's Hazardous Materials Compliance Division, and the local fire department's hazardous materials program. The report shall include:
   a. Name, address, and telephone number of the facility's owner/operator;
   b. Name, address, and telephone number of the facility;
   c. Date, time, and type of incident *(e.g. fire, explosion, etc.)*;
   d. Name and quantity of material(s) involved;
   e. The extent of injuries, if any;
   f. An assessment of actual or potential hazards to human health or the environment, where this is applicable;
   g. Estimated quantity and disposition of recovered material that resulted from the incident;
   h. Cause(es) of the incident;
   i. Actions taken in response to the incident;
   j. Administrative or engineering controls designed to prevent such incidents in the future.

6. Earthquake Vulnerability: [19 CCR §2731(c)]

Identify any areas of the facility and mechanical or other systems that require immediate inspection or isolation because of their vulnerability to earthquake-related ground motion:

diesel
gas meter

7. Emergency Equipment:

22 CCR §66265.52(e) [as referenced by 22 CCR §66262.34(a)(4)] and the Hazardous Materials Storage Ordinance require that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

EMERGENCY EQUIPMENT INVENTORY TABLE

1. Equipment Category	2. Equipment Type	3. Locations *	4. Description**
Personal Protective Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☐ Chemical Protective Aprons/Coats		
	☐ Chemical Protective Boots		
	☐ Chemical Protective Gloves		
	☐ Chemical Protective Suits *(describe)*		
	☐ Face Shields		
	☒ First Aid Kits/Stations *(describe)*	throughout bldg.	first aid supplies band aids, CPR shield, etc.
	☐ Hard Hats		
	☐ Plumbed Eye Wash Stations		
	☐ Portable Eye Wash Kits *(i.e. bottle type)*		
	☐ Respirator Cartridges *(describe)*		
	☐ Safety Glasses/Splash Goggles		
	☐ Safety Showers		
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☐ Other *(describe)*		
Fire Extinguishing Systems	☒ Automatic Fire Sprinkler Systems		
	☒ Fire Alarm Boxes/Stations	throughout bldg.	
	☒ Fire Extinguisher Systems *(describe)*	throughout	portable ABC
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☐ Absorbents *(describe)*		
	☐ Berms/Dikes *(describe)*		
	☐ Decontamination Equipment *(describe)*		
	☐ Emergency Tanks *(describe)*		ventilation for lead solder fumes
	☒ Exhaust Hoods	Bldg. 2 assembly	
	☐ Gas Cylinder Leak Repair Kits *(describe)*		
	☐ Neutralizers *(describe)*		
	☐ Overpack Drums		
	☐ Sumps *(describe)*		
	☐ Other *(describe)*		
Communications and Alarm Systems	☐ Chemical Alarms *(describe)*		
	☐ Intercoms/ PA Systems		
	☐ Portable Radios		
	☒ Telephones	throughout Bldg.	
	☐ Underground Tank Leak Detection Monitors		
	☐ Other *(describe)*		
Additional Equipment *(Use Additional Pages if Needed.)*	☐		
	☐		
	☐		
	☐		
	☐		
	☐		

* *Use the map and grid numbers from the Storage Map prepared earlier for your HMBP.*

** *Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

Employee Training Plan

(Hazardous Materials Business Plan Module)

Authority Cited: HSC, Section 25504(c); Title 22, Div. 4.5, Ch. 12, Art. 3 CCR

All facilities that handle hazardous materials must have a written employee training plan. This plan is a required module of the Hazardous Materials Business Plan (HMBP). A blank plan has been provided below for you to complete and submit if you do not already have such a plan. **If you already have a brief written description of your training program that addresses all subjects covered below, you are not required to complete the blank plan, below, but you must include a copy of your existing document as part of your HMBP.**

Check all boxes that apply. *[Note: Items marked with an asterisk (*) are required.]*:

1. **Personnel** are trained in the following procedures: TBA

☒	Internal alarm/notification *
☒	Evacuation/re-entry procedures & assembly point locations*
☐	Emergency incident reporting
☐	External emergency response organization notification
☐	Location(s) and contents of Emergency Response/Contingency Plan
☐	Facility evacuation drills, that are conducted at least *(specify)* _____ *(e.g. "Quarterly", etc.)*

2. **Chemical Handlers** are additionally trained in the following (408) 235-8585 DeCon Technologies outside ERT

☒	Safe methods for handling and storage of hazardous materials *
☒	Location(s) and proper use of fire and spill control equipment
☒	Spill procedures/emergency procedures
☒	Proper use of personal protective equipment *
☒	Specific hazard(s) of each chemical to which they may be exposed, including routes of exposure *(i.e. inhalation, ingestion, absorption)* *
☒	**Hazardous Waste Handlers/Managers** are trained in all aspects of hazardous waste management specific to their job duties *(e.g. container accumulation time requirements, labeling requirements, storage area inspection requirements, manifesting requirements, etc.)* *

3. **Emergency Response Team Members** are capable of and engaged in the following: DeCon Technologies outside ERT

☐	Personnel rescue procedures
☐	Shutdown of operations
☐	Liaison with responding agencies
☒	Use, maintenance, and replacement of emergency response equipment
☒	Refresher training, which is provided at least annually *
☐	Emergency response drills, which are conducted at least *(specify)* _____ *(e.g. "Quarterly", etc.)*

Record Keeping

(Hazardous Materials Business Plan Module)

All facilities that handle hazardous materials must maintain records associated with their management. A summary of your recordkeeping procedures is a required module of the Hazardous Materials Business Plan (HMBP). A blank summary has been provided below for you to complete and submit if you do not already have such a document. **If you already have a brief written description of your hazardous materials recordkeeping systems that addresses all subjects covered below, you are not required to complete this page, but you must include a copy of your existing document as part of your HMBP.**

Check all boxes that apply. The following records are maintained at the facility. *[Note: Items marked with an asterisk (*) are required.]*:

☒	Current employees' training records *(to be retained until closure of the facility)* *
☑	Former employees' training records *(to be retained at least three years after termination of employment)* *
☒	Training Program(s) *(i.e. written description of introductory and continuing training)* *
☒	Current copy of this Emergency Response/Contingency Plan *
☒	Record of recordable/reportable hazardous material/waste releases *
☒	Record of hazardous material/waste storage area inspections *
☒	Record of hazardous waste tank daily inspections *
☒	Description and documentation of facility emergency response drills

Note: The above list of records does not necessarily identify every type of record required to be maintained by the facility.

A copy of the Inspection Check Sheet(s) or Log(s) used in conjunction with required routine self-inspections of your facility must be submitted with your HMBP. *(Exception: Available from your local agency is a Hazardous Materials/Waste Storage Area Inspection Form that you may use if you do not already have your own form. If you use the example provided, you do not need to attach a copy.)*

Check the appropriate box:

☒	We will use the Unidocs "Hazardous Materials/Waste Storage Area Inspection Form" to document inspections.
☐	We will use our own documents to record inspections. ***(A blank copy of each document used must be attached to this HMBP.)***

Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

BUSINESS NAME: Credence		**DATE:** 4/19/2007	**PAGE:** 1 of 5
LOCATION: B100	**EPCRA CONFIDENTIAL:** NO	**TRADE SECRET:** NO	**FACILITY ID#:** 43-011-040072-SUBMITTED-19-APRIL-07

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
2.2	**Map:** 1 **Grid:** I	LIQUID NITROGEN **CAS#:** 7727-37-9 **EHS:** NO	COMPONENT NAME: NITROGEN; EHS: N; %: 100; CAS#: 7727-37-9	LIQUID (PURE)	**MAX:** 121.5228 **LARGEST:** 60.7614 **AVG:** 60.7614 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** A	GAL	Pressure: > AMB. Temp: CRYOGENIC	PRESSURE RELEASE ACUTE HEALTH

STORAGE CONTAINER CODES

A = Aboveground Tank	D = Steel Drum	G = Carboy	J = Bag	M = Glass Bottle or Jug	P = Tank Wagon
B = Belowground Tank	E = Plastic/Nonmetallic Drum	H = Silo	K = Box	N = Plastic Bottle or Jug	Q = Rail Car
C = Tank Inside Building	F = Can	I = Fiber Drum	L = Cylinder	O = Tote Bin	R = Other

OTHER ABBREVIATIONS

MAX = Max. Amount Daily	LARGEST = Largest Container
AVG = Avg. Amount Daily	CURIES = Curies (in mCi)
DAYS = Days On Site	CONTAINERS = Storage Containers

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Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

BUSINESS NAME: Credence | **DATE:** 4/19/2007 | **PAGE:** 2 of 5

LOCATION: CRC | **EPCRA CONFIDENTIAL:** NO | **TRADE SECRET:** NO | **FACILITY ID#:** 43-011-040072-SUBMITTED-19-APRIL-07

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
3	**Map:** 1 **Grid:** E	*N-HEPTANE **CAS#:** 142-82-5 **EHS:** NO	COMPONENT NAME: N-HEPTANE; EHS: N; %: 100; CAS#: 142-82-5	LIQUID (PURE)	**MAX:** 0.125 **LARGEST:** 0.025 **AVG:** 0.025 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE ACUTE HEALTH
9	**Map:** 1 **Grid:** E	3,3-DICHLORO-1,1,2,2,3-P-ENTAFLUOROPROPANE **CAS#:** 422-56-0 **EHS:** NO	COMPONENT NAME: 3,3-DICHLORO-1,1,2,2,3-PE...; EHS: N; %: 100; CAS#: 422-56-0	LIQUID (MIXTURE)	**MAX:** 45 **LARGEST:** 5 **AVG:** 20 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE
3	**Map:** 1 **Grid:** E	ACETONE **CAS#:** 67-64-1 **EHS:** NO	COMPONENT NAME: ACETONE; EHS: N; %: 100; CAS#: 67-64-1	LIQUID (PURE)	**MAX:** 2 **LARGEST:** 1 **AVG:** 1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** E, F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE ACUTE HEALTH
0	**Map:** 1 **Grid:** E	D-LEAD FINAL CLEAN **CAS#:** NA **EHS:** NO	COMPONENT NAME: 2-BUTOXY ETHANOL; EHS: N; %: 1; CAS#: 111-76-2	LIQUID (MIXTURE)	**MAX:** 2 **LARGEST:** 0.25 **AVG:** 4 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	ACUTE HEALTH
9	**Map:** 1 **Grid:** E	FLUORINERT FC 77 **CAS#:** 86508-42-1 **EHS:** NO	COMPONENT NAME: PERFLUORO COMPOUNDS, C5-1...; EHS: N; %: 100; CAS#: 86508-42-1	LIQUID (MIXTURE)	**MAX:** 45 **LARGEST:** 5 **AVG:** 35 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F, R	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE
3	**Map:** 1 **Grid:** E	GALDEN **CAS#:** GALDEN **EHS:** NO	COMPONENT NAME: GALDEN; EHS: N; %: 100; CAS#: GALDEN	LIQUID (MIXTURE)	**MAX:** 1 **LARGEST:** 1 **AVG:** 1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE

STORAGE CONTAINER CODES

A = Aboveground Tank, B = Belowground Tank, C = Tank Inside Building, D = Steel Drum, E = Plastic/Nonmetallic Drum, F = Can, G = Carboy, H = Silo, I = Fiber Drum, J = Bag, K = Box, L = Cylinder, M = Glass Bottle or Jug, N = Plastic Bottle or Jug, O = Tote Bin, P = Tank Wagon, Q = Rail Car, R = Other

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MAX = Max. Amount Daily, AVG = Avg. Amount Daily, DAYS = Days On Site, LARGEST = Largest Container, CURIES = Curies (in mCi), CONTAINERS = Storage Containers

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Non-Waste Hazardous Materials Inventory Statement

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BUSINESS NAME: Credence | **DATE:** 4/19/2007 | **PAGE:** 3 of 5

LOCATION: CRC | **EPCRA CONFIDENTIAL:** NO | **TRADE SECRET:** NO | **FACILITY ID#:** 43-011-040072-SUBMITTED-19-APRIL-07

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
0	**Map:** 1 **Grid:** E	HFE-7100 **CAS#:** NONE **EHS:** NO	COMPONENT NAME: HFE-7100; EHS: N; %: 100; CAS#:	LIQUID (MIXTURE)	**MAX:** 25 **LARGEST:** 5 **AVG:** 15 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	CHRONIC HEALTH
3	**Map:** 1 **Grid:** E	IPA **CAS#:** 67-63-0 **EHS:** NO	COMPONENT NAME: ISOPROPANOL; EHS: N; %: 100; CAS#: 67-63-0	LIQUID (PURE)	**MAX:** 5 **LARGEST:** 1 **AVG:** 1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE ACUTE HEALTH
3	**Map:** 1 **Grid:** E	METHYL NONAFLUOROISOBUTYL ETHER **CAS#:** 163702-08-7 **EHS:** NO	COMPONENT NAME: METHYL NONAFLUOROISOBUTYL...; EHS: N; %: 100; CAS#: 163702-08-7	LIQUID (PURE)	**MAX:** 45 **LARGEST:** 5 **AVG:** 35 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE
0	**Map:** 1 **Grid:** E	SOLDER **CAS#:** NONE **EHS:** NO	COMPONENT NAME: SOLDER; EHS: N; %: 100; CAS#:	SOLID (MIXTURE)	**MAX:** 5 **LARGEST:** 1 **AVG:** 1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE
3	**Map:** 1 **Grid:** E	SOLDERING FLUX **CAS#:** NONE **EHS:** NO	COMPONENT NAME: ORGANIC FLUX; EHS: N; %: 100; CAS#:	LIQUID (MIXTURE)	**MAX:** 0.5 **LARGEST:** 0.125 **AVG:** 0.25 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** E	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE
0	**Map:** 1 **Grid:** E	SOLDERING FLUX CONTAINING GLUAMIC ACID **CAS#:** 138-15-8 **EHS:** NO	COMPONENT NAME: L-(+)-GLUTAMIC ACID HYDRO...; EHS: N; %: 100; CAS#: 138-15-8	SOLID (MIXTURE)	**MAX:** 0.5 **LARGEST:** 0.125 **AVG:** 0.25 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** E	GAL	**Pressure** AMBIENT **Temp** AMBIENT	NONE

STORAGE CONTAINER CODES

A = Aboveground Tank; B = Belowground Tank; C = Tank Inside Building; D = Steel Drum; E = Plastic/Nonmetallic Drum; F = Can; G = Carboy; H = Silo; I = Fiber Drum; J = Bag; K = Box; L = Cylinder; M = Glass Bottle or Jug; N = Plastic Bottle or Jug; O = Tote Bin; P = Tank Wagon; Q = Rail Car; R = Other

OTHER ABBREVIATIONS

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Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

BUSINESS NAME: Credence | **DATE:** 4/19/2007 | **PAGE:** 4 of 5

LOCATION: CRC | **EPCRA CONFIDENTIAL:** NO | **TRADE SECRET:** NO | **FACILITY ID#:** 43-011-040072-SUBMITTED-19-APRIL-07

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
3	**Map:** 1 **Grid:** E	SOLVENT **CAS#:** 8032324 **EHS:** NO	COMPONENT NAME: SOLVENT; EHS: N; %: 100; CAS#: 8032324	LIQUID (MIXTURE)	**MAX:** 0.5 **LARGEST:** 1 **AVG:** 0.1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N, R	GAL	**Pressure** AMBIENT **Temp** AMBIENT	FIRE
0	**Map:** 1 **Grid:** E	TECHSPRAY KLEEN ATMS **CAS#:** 422-56-0 **EHS:** NO	CARBON DIOXIDE; N; 1-2; 124-38-9 3,3-DICHLORO-1,1,2,2,3-PENTAFLUOROPROPANE; N; 35-45; 422-56-0 1,3-DICHLORO-1,1,1,2,2-PENTAFLUOROPROPANE; ; 5; 507-55-1 1,2-TRANS-DICHLOROETHYLENE; N; 25-35; 156-60-5 NITROMETHANE; N; 1; 75-52-5 METHANOL; N; 2-5; 67-56-1 1,1,1,2-TETRAFLUOROETHANE; N; 18-23; 811-97-2	LIQUID (MIXTURE)	**MAX:** 10 **LARGEST:** 5 **AVG:** 5 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** F	GAL	**Pressure** AMBIENT **Temp** AMBIENT	ACUTE HEALTH CHRONIC HEALTH

STORAGE CONTAINER CODES

A = Aboveground Tank, B = Belowground Tank, C = Tank Inside Building, D = Steel Drum, E = Plastic/Nonmetallic Drum, F = Can, G = Carboy, H = Silo, I = Fiber Drum, J = Bag, K = Box, L = Cylinder, M = Glass Bottle or Jug, N = Plastic Bottle or Jug, O = Tote Bin, P = Tank Wagon, Q = Rail Car, R = Other

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Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

BUSINESS NAME: Credence		**DATE:** 4/19/2007	**PAGE:** 5 of 5
LOCATION: Machine Shop	**EPCRA CONFIDENTIAL:** NO / **TRADE SECRET:** NO	**FACILITY ID#:** 43-011-040072-SUBMITTED-19-APRIL-07	

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
0	**Map:** 1 **Grid:** D	KESTER HF-1189A WATER SOLUBLE FLUX **CAS#:** 79-14-1 **EHS:** NO	COMPONENT NAME / EHS / % / CAS# HYDROXYACETIC ACID / N / 2.5-10 / 79-14-1 *2-AMINOETHANOL, ETHANOLAMINE / N / 2.5-10 / 141-43-5	LIQUID (MIXTURE)	**MAX:** 2 **LARGEST:** 1 **AVG:** 1 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** N	GAL	**Pressure** AMBIENT **Temp** AMBIENT	ACUTE HEALTH

STORAGE CONTAINER CODES

A = Aboveground Tank, B = Belowground Tank, C = Tank Inside Building, D = Steel Drum, E = Plastic/Nonmetallic Drum, F = Can, G = Carboy, H = Silo, I = Fiber Drum, J = Bag, K = Box, L = Cylinder, M = Glass Bottle or Jug, N = Plastic Bottle or Jug, O = Tote Bin, P = Tank Wagon, Q = Rail Car, R = Other

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Hazardous Waste Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

BUSINESS NAME: Credence		**DATE:** 4/19/2007	**PAGE:** 1 of 1
LOCATION: Facilities Pad	**EPCRA CONFIDENTIAL:** NO	**TRADE SECRET:** NO	**FACILITY ID#:** 43-011-040072-SUBMITTED-19-APRIL-07

1. Hazard Class	2. Grid Code	3. Common Name	4. Hazardous Components	5. Phys. State	6. Quantities	7. Units	8. Storage Codes	9. Haz. Categories
6.1	**Map:** 1 **Grid:** J	WIPES CONTAMINATED WIT H LEAD SOLDER AND ISOP ROPANOL **CAS#:** NONE **EHS:** *NO*		SOLID (MIXTURE)	**MAX:** 100 **LARGEST:** 100 **AVG:** 30 **CURIES:** 0 **DAYS:** 365 **CONTAINERS:** R **WASTE:** 100 **STATE CODE:** 352	LBS	**Pressure** **Temp** AMBIENT AMBIENT	FIRE ACUTE HEALTH CHRONIC HEALTH

COMPONENT NAME	EHS	%	CAS#
LEAD	N	50	7439-92-1
2 PROPANOL	*N*	*50*	67-63-0

STORAGE CONTAINER CODES

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Emergency Response/Contingency Plan

(Hazardous Materials Business Plan Module)

Authority Cited: HSC, Section 25504(b); Title 22, Div. 4.5, Ch. 12, Art. 3 CCR Page ___ of ___

All facilities that handle hazardous materials in specified quantities must have a written emergency response plan. In addition, facilities that generate 1,000 kilograms or more of hazardous waste per month, or accumulate more than 6,000 kilograms of hazardous waste on-site at any one time, must prepare a contingency plan. Because the requirements are similar, they have been combined in a single document, provided below, for your convenience. This plan is a required module of the Hazardous Materials Business Plan (HMBP). **If you already have a plan that meets these requirements, you should not complete the blank plan, below, but you must include a copy of your existing plan as part of your HMBP.**

This site-specific Emergency Response/Contingency Plan is the facility's plan for dealing with emergencies and shall be implemented *immediately whenever there is a fire, explosion, or release of hazardous materials that could threaten human health and/or the* environment. **At least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency.** Within Santa Clara County, hospitals and police agencies have delegated receipt of these plans to the local agencies administering Hazardous Materials Business Plans, so additional copies need not be submitted. However, a copy of the plan and any revisions must be provided to any contractor, hospital, or agency with whom special (i.e. contractual) emergency services arrangements have been made *(see section 3, below)*.

1. Evacuation Plan:

a. The following alarm signal(s) will be used to begin evacuation of the facility *(check all that apply)*:

☐ Bells; ☒ Horns/Sirens; ☐ Verbal *(i.e. shouting)*; ☒ Other *(specify)* strobes

b. ☒ Evacuation map is prominently displayed throughout the facility.

Note: A properly completed HMBP Site Plan satisfies contingency plan map requirements. This drawing (or any other drawing that shows primary and alternate evacuation routes, emergency exits, and primary and alternate staging areas) must be prominently posted throughout the facility in locations where it will be visible to employees and visitors.

2. a. Emergency Contacts*:

Fire/Police/Ambulance	Phone No. **911**
State Office of Emergency Services	Phone No. **(800) 852-7550**

b. Post-Incident Contacts*:

Fire Department Hazardous Materials Program	Phone No.: (408) 586-3365
Santa Clara County Hazardous Materials Compliance Division	Phone No. **(408) 918-3400**
California EPA Department of Toxic Substances Control	Phone No. **(510) 540-3739**
Cal-OSHA Division of Occupational Safety and Health	Phone No. **(408) 452-7288**
Air Quality Management District	Phone No. **(415) 771-6000**
Regional Water Quality Control Board	Phone No. **(510) 622-2300**

** These telephone numbers are provided as a general aid to emergency notification. Be advised that additional agencies may be required to be notified.*

c. Emergency Resources:

Poison Control Center	Phone No. **(800) 876-4766**
Nearest Hospital: Name: Regional Medical Center	Phone No.: (408) 259-5000
Address: 225 N. Jackson	City: San Jose

3. Arrangements With Emergency Responders:

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements below:

DeCon Technologies is the ERT for Credence
(408) 235-8585

4. Emergency Procedures:

Emergency Coordinator Responsibilities:

a. Whenever there is an imminent or actual emergency situation such as a explosion, fire, or release, the emergency coordinator *(or his/her designee when the emergency coordinator is on call)* shall:
   i. Identify the character, exact source, amount, and areal extent of any released hazardous materials.
   ii. Assess possible hazards to human health or the environment that may result from the explosion, fire, or release. This assessment must consider both direct and indirect effects *(e.g. the effects of any toxic, irritating, or asphyxiating gases that are generated, the effects of any hazardous surface water run-off from water or chemical agents used to control fire, etc.)*.
   iii. Activate internal facility alarms or communications systems, where applicable, to notify all facility personnel.
   iv. Notify appropriate local authorities *(i.e. call 911)*.
   v. Notify the State Office of Emergency Services at 1-800-852-7550.
   vi. Monitor for leaks, pressure build-up, gas generation, or ruptures in valves, pipes, or other equipment shut down in response to the incident.
   vii. Take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other hazardous materials at the facility.

b. Before facility operations are resumed in areas of the facility affected by the incident, the emergency coordinator shall:
   i. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from a explosion, fire, or release at the facility.
   ii. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.
   iii. Ensure that all emergency equipment is cleaned, fit for its intended use, and available for use.
   iv. Notify the California Environmental Protection Agency's Department of Toxic Substances Control, the County of Santa Clara's Hazardous Materials Compliance Division, and the local fire department's hazardous materials program that the facility is in compliance with requirements b-i and b-ii, above.

Responsibilities of Other Personnel:

On a separate page, list any emergency response functions not covered in the "Emergency Coordinator Responsibilities" section, above. Next to each function, list the job title or name of each person responsible for performing the function. Number the page(s) appropriately.

5. Post-Incident Reporting/Recording:

The time, date, and details of any hazardous materials incident that requires implementation of this plan shall be noted in the facility's operating record.

Within 15 days of any hazardous materials emergency incident or threatened hazardous materials emergency incident that triggers implementation of this plan, a written Emergency Incident Report, including, but not limited to a description of the incident and the facility's response to the incident, must be submitted to the California Environmental Protection Agency's Department of Toxic Substances Control, the County of Santa Clara's Hazardous Materials Compliance Division, and the local fire department's hazardous materials program. The report shall include:
   a. Name, address, and telephone number of the facility's owner/operator;
   b. Name, address, and telephone number of the facility;
   c. Date, time, and type of incident *(e.g. fire, explosion, etc.)*;
   d. Name and quantity of material(s) involved;
   e. The extent of injuries, if any;
   f. An assessment of actual or potential hazards to human health or the environment, where this is applicable;
   g. Estimated quantity and disposition of recovered material that resulted from the incident;
   h. Cause(es) of the incident;
   i. Actions taken in response to the incident;
   j. Administrative or engineering controls designed to prevent such incidents in the future.

6. Earthquake Vulnerability: [19 CCR §2731(e)]

Identify any areas of the facility and mechanical or other systems that require immediate inspection or isolation because of their vulnerability to earthquake-related ground motion:

gas meter

7. Emergency Equipment:

22 CCR §66265.52(e) [as referenced by 22 CCR §66262.34(a)(4)] and the Hazardous Materials Storage Ordinance require that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

EMERGENCY EQUIPMENT INVENTORY TABLE

1. Equipment Category	2. Equipment Type	3. Locations *	4. Description**
Personal Protective Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☐ Chemical Protective Aprons/Coats		
	☐ Chemical Protective Boots		
	☐ Chemical Protective Gloves		
	☐ Chemical Protective Suits *(describe)*		
	☐ Face Shields		
	☒ First Aid Kits/Stations *(describe)*	throughout Bldg	band-aids, CPR shields
	☐ Hard Hats		
	☐ Plumbed Eye Wash Stations		
	☐ Portable Eye Wash Kits *(i.e. bottle type)*		
	☐ Respirator Cartridges *(describe)*		
	☐ Safety Glasses/Splash Goggles		
	☐ Safety Showers		
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☐ Other *(describe)*		
Fire Extinguishing Systems	☒ Automatic Fire Sprinkler Systems	throughout bldg.	
	☒ Fire Alarm Boxes/Stations	"	"
	☒ Fire Extinguisher Systems *(describe)*	"	Portable ABC
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☐ Absorbents *(describe)*		
	☐ Berms/Dikes *(describe)*		
	☐ Decontamination Equipment *(describe)*		
	☐ Emergency Tanks *(describe)*		
	☐ Exhaust Hoods		
	☐ Gas Cylinder Leak Repair Kits *(describe)*		
	☐ Neutralizers *(describe)*		
	☐ Overpack Drums		
	☐ Sumps *(describe)*		
	☐ Other *(describe)*		
Communications and Alarm Systems	☐ Chemical Alarms *(describe)*		
	☐ Intercoms/ PA Systems		
	☐ Portable Radios		
	☒ Telephones	throughout bldg.	
	☐ Underground Tank Leak Detection Monitors		
	☐ Other *(describe)*		
Additional Equipment *(Use Additional Pages if Needed.)*	☐		
	☐		
	☐		
	☐		
	☐		
	☐		

* *Use the map and grid numbers from the Storage Map prepared earlier for your HMBP.*

** *Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

Employee Training Plan

(Hazardous Materials Business Plan Module)

Authority Cited: HSC, Section 25504(c); Title 22, Div. 4.5, Ch. 12, Art. 3 CCR Page ___ of ___

All facilities that handle hazardous materials must have a written employee training plan. This plan is a required module of the Hazardous Materials Business Plan (HMBP). A blank plan has been provided below for you to complete and submit if you do not already have such a plan. **If you already have a brief written description of your training program that addresses all subjects covered below, you are not required to complete the blank plan, below, but you must include a copy of your existing document as part of your HMBP.**

Check all boxes that apply. *[Note: Items marked with an asterisk (*) are required.]*:

1. **Personnel** are trained in the following procedures: TBA

☒	Internal alarm/notification *
☒	Evacuation/re-entry procedures & assembly point locations*
☐	Emergency incident reporting
☐	External emergency response organization notification
☐	Location(s) and contents of Emergency Response/Contingency Plan
☐	Facility evacuation drills, that are conducted at least *(specify)* _____ *(e.g. "Quarterly", etc.)*

2. **Chemical Handlers** are additionally trained in the following: (408) 235-8585 DeCon Technologies outside ERT

☒	Safe methods for handling and storage of hazardous materials *
☒	Location(s) and proper use of fire and spill control equipment
☒	Spill procedures/emergency procedures
☒	Proper use of personal protective equipment *
☒	Specific hazard(s) of each chemical to which they may be exposed, including routes of exposure *(i.e. inhalation, ingestion, absorption)* *
☒	**Hazardous Waste Handlers/Managers** are trained in all aspects of hazardous waste management specific to their job duties *(e.g. container accumulation time requirements, labeling requirements, storage area inspection requirements, manifesting requirements, etc.)* *

3. **Emergency Response Team Members** are capable of and engaged in the following: DeCon Technologies outside ERT

☐	Personnel rescue procedures
☐	Shutdown of operations
☐	Liaison with responding agencies
☒	Use, maintenance, and replacement of emergency response equipment
☒	Refresher training, which is provided at least annually *
☐	Emergency response drills, which are conducted at least *(specify)* _____ *(e.g. "Quarterly", etc.)*

Record Keeping

(Hazardous Materials Business Plan Module)

All facilities that handle hazardous materials must maintain records associated with their management. A summary of your recordkeeping procedures is a required module of the Hazardous Materials Business Plan (HMBP). A blank summary has been provided below for you to complete and submit if you do not already have such a document. **If you already have a brief written description of your hazardous materials recordkeeping systems that addresses all subjects covered below, you are not required to complete this page, but you must include a copy of your existing document as part of your HMBP.**

Check all boxes that apply. The following records are maintained at the facility. *[Note: Items marked with an asterisk (*) are required.]*:

☒	Current employees' training records *(to be retained until closure of the facility)* *
☒	Former employees' training records *(to be retained at least three years after termination of employment)* *
☒	Training Program(s) *(i.e. written description of introductory and continuing training)* *
☒	Current copy of this Emergency Response/Contingency Plan *
☒	Record of recordable/reportable hazardous material/waste releases *
☒	Record of hazardous material/waste storage area inspections *
☒	Record of hazardous waste tank daily inspections *
☐	Description and documentation of facility emergency response drills

Note: The above list of records does not necessarily identify every type of record required to be maintained by the facility.

A copy of the Inspection Check Sheet(s) or Log(s) used in conjunction with required routine self-inspections of your facility must be submitted with your HMBP. *(Exception: Available from your local agency is a Hazardous Materials/Waste Storage Area Inspection Form that you may use if you do not already have your own form. If you use the example provided, you do not need to attach a copy.)*

Check the appropriate box:

☒	We will use the Unidocs "Hazardous Materials/Waste Storage Area Inspection Form" to document inspections.
☐	We will use our own documents to record inspections. ***(A blank copy of each document used must be attached to this HMBP.)***

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☒ 7 PERMANENTLY CLOSED SITE ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
Sun Microsystems	same	
ADDRESS: 1355 California Circle	NEAREST CROSS STREET: Dixon Landing Rd	PARCEL # (OPTIONAL)
CITY NAME: Milpitas	STATE: CA / ZIP CODE: 95035	SITE PHONE # WITH AREA CODE: 408-276-5096

✓ BOX TO INDICATE: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☐ 5 OTHER	☐	1	

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST): Sun Microsystems Security	PHONE # WITH AREA CODE: 408-276-3200	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST): Sun Microsystems Security	PHONE # WITH AREA CODE: 408-276-3200	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
Prentiss Properties			
MAILING OR STREET ADDRESS: 1800 Harrison St # 1225	✓ box to indicate: ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: Oakland	STATE: CA	ZIP CODE: 94612	PHONE # WITH AREA CODE: 510-893-1800

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
Sun Microsystems			
MAILING OR STREET ADDRESS: 1355 California Circle	✓ box to indicate: ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: Milpitas	STATE: CA	ZIP CODE: 95035	PHONE # WITH AREA CODE: 408-276-5096

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44- ☐☐☐☐☐☐

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☐ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
Milpitas Fire Dept.		9/18/92

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
43	011	

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

INSTRUCTIONS FOR COMPLETING FORM "A"

GENERAL INSTRUCTIONS:

1. One FORM "A" shall be completed for all **NEW PERMITS, PERMIT CHANGES** or any **FACILITY/SITE INFORMATION CHANGES.**
2. **SUBMIT ONLY ONE (1) FORM "A"** for a Facility/Site, regardless of the number of tanks located at the site
3. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
4. Please type or print clearly all requested information.
5. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

Mark an (X) in the box next to the item that best describes the reason the form is being completed.

I. FACILITY/SITE INFORMATION & ADDRESS (MUST BE COMPLETED)

1. Record name and address (physical location) of the underground tank(s).
   NOTE: Address MUST have a valid physical location including city, state, and zip code.
   P.O. BOX NUMBERS ARE NOT ACCEPTABLE.
   Include nearest cross street and name of the operator.
2. Phone number must have an area code. If the night number is the same, write "SAME" in proper location.
3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP (ex. CORPORATION, INDIVIDUAL, etc.)
4. Check the appropriate box for TYPE OF BUSINESS.
5. If Facility/Site is located within an Indian reservation or other Indian trust lands, check the box marked "YES".
6. Indicate the NUMBER of TANKS at this SITE.
7. Record the E.P.A. ID # or write "NONE" in the space provided.

II. PROPERTY OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION I; if the same, write **"SAME AS SITE"** across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1; If the same, write **"SAME AS SITE"** across this section. Be sure to check **TANK OWNERSHIP TYPE** box.

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER (MUST BE COMPLETED)

Enter your Board of Equalization (BOE) UST storage fee account number which is required before your permit application can be processed. Registration with the BOE will ensure that you will receive a quarterly storage fee return in reporting the $0.006 (6 mills) per gallon fee due on the number of gallons placed in your USTs. The BOE will code persons exempt from paying the storage fee so returns will not be sent. If you do not have an account number with the BOE or if you have any questions regarding the fee or exemptions, please call the BOE at 916-323-9555 or write to the BOE at the following address: Board of Equalization, Environmental Fees Unit, P.O. Box 942879, Sacramento, CA 94279-0001.

V. PETROLEUM UST FINANCIAL RESPONSIBILITY (MUST BE COMPLETED)

Identify the method(s) used by the owner and/or operator in meeting the Federal and State financial responsibility requirements. USTs owned by any Federal or State agency are exempt from this requirement.

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Check **ONE BOX** for the address that will be used for **BOTH LEGAL AND BILLING NOTIFICATIONS.**

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number may be assigned by the local agency; however, this number must be numerical and cannot contain any alphabetical. If the local agency prefers the State Board to assign the facility number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THIS APPLICATION CANNOT BE PROCESSED IF THE BOE ACCOUNT NUMBER IS NOT FILLED IN. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.R.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☒ 7 PERMANENTLY CLOSED ON SITE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # 22510	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR) 6/13/88	D. TANK CAPACITY IN GALLONS: 1000 gallon

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☒ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☒ 1 DOUBLE WALL ☐ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☒ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☒ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) 1988 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1988

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A (U) 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: A U 1 SINGLE WALL A (U) 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A (U) 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☒ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☒ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
9/16/92	0 GALLONS	YES ☒ NO ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
Milpitas Fire Dept.	9/18/92

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	43	011		

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-RS

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle A if above ground; circle U if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

MILPITAS FIRE DEPARTMENT
777 SOUTH MAIN STREET

PERMIT

Permit No.: UR92-1074
Date: 7-30-92
BY: P Laki

EXPIRATION DATE*: _____

Under the provisions of the Milpitas Municipal Code, this permit is issued to:

Facility Name: Sun Microsystems **Facility Address:** 1355 California Circle

for the following purpose:

☐	Closure -Facility	☐	Hazardous Material Storage (describe)	☐	Tent
☐	Closure - Process (describe)	☐	Hazardous Material Process (describe)	☐	Public Assembly
☐	Halon	☒	Underground Tank Removal (describe)	☐	Other Specify
☐	Hood & Duct	☐	Underground Tank Installation (describe)		

Removal of 1-1000 gallon diesel tank & associated piping, and 1-100 gallon aboveground day tank containing diesel.

Name(s) & phone number of Contractor(s)/Installer(s):

Gene L. Failing 408-246-4217

* THIS PERMIT SHALL CONTINUE UNTIL REVOKED OR UNTIL DATE OF EXPIRATION SHOWN ABOVE. IT SHALL NOT BE TRANSFERABLE AND ANY CHANGE IN USE, OCCUPANCY, OPERATION OR OWNERSHIP SHALL REQUIRE A NEW PERMIT.

APPROVALS	DATE APPROVED
Plans	
Hazardous Material Permit Application Filed Yes: X No: ___	
Other Specify: _____	

SPECIAL CONDITIONS:
Utilities to be marked.

You are required to call the Bureau of Fire Prevention 24 hours in advance at 408-942-2386 to schedule an inspection appointment for the following inspections:

Inspection Activity	Date	By (Inspector)	Comments
contents removed	9-16-92	P Laki	
tank inert/dry ice	9-16-92	P Laki	
excavation hole ok			
tank condition	9-16-92	[illegible]	
tank for hauler	9-16-92	[illegible]	
soil/water samples	9-16-92	[illegible]	
sample analysis			

THIS PERMIT SHALL BE POSTED ON THE PREMISES IDENTIFIED ABOVE

This permit is issued on condition that applicant shall comply with all applicable provisions of the Milpitas Municipal Code. Violation of the provisions of this permit may be grounds for revocation of permit and assessment of penalties.

WHITE COPY: Permittee YELLOW COPY:Bureau Files PINK COPY: Construction Permit File

BF#100-72

MILPITAS FIRE DEPARTMENT
777 SOUTH MAIN STREET

PERMIT

Permit No.: 1892-1074
Date: 7-31-92
BY: D Jaki

EXPIRATION DATE*: /

Under the provisions of the Milpitas Municipal Code, this permit is issued to:

Facility Name: Sun Microsystems **Facility Address:** 1355 California Circle

for the following purpose:

☐	Closure -Facility	☐	Hazardous Material Storage (describe)	☐	Tent
☐	Closure - Process (describe)	☐	Hazardous Material Process (describe)	☐	Public Assembly
☐	Halon	☒	Underground Tank Removal (describe)	☐	Other Specify
☐	Hood & Duct	☐	Underground Tank Installation (describe)		

Removal of 1- 1000 gallon diesel tank + associated piping and 1- 10 gallon underground day tank containing diesel.

Name(s) & phone number of Contractor(s)/Installer(s):

Gene L. Failing 408-246-4217

* THIS PERMIT SHALL CONTINUE UNTIL REVOKED OR UNTIL DATE OF EXPIRATION SHOWN ABOVE. IT SHALL NOT BE TRANSFERABLE AND ANY CHANGE IN USE, OCCUPANCY, OPERATION OR OWNERSHIP SHALL REQUIRE A NEW PERMIT.

APPROVALS	DATE APPROVED
Plans	
Hazardous Material Permit Application Filed Yes: X No: ___	
Other Specify:	

SPECIAL CONDITIONS:
Utilities to be marked.

You are required to call the Bureau of Fire Prevention 24 hours in advance at 408-942-2386 to schedule an inspection appointment for the following inspections:

Inspection Activity	Date	By (Inspector)	Comments
contents removed			
tank inert/dry ice	7-16-92	Jaki	
excavation hole ok			
tank condition	9-16-92	[illegible]	
tank for transfer	9-16-92	[illegible]	
soil/water samples	9-16-92	[illegible]	
sample analysis			

THIS PERMIT SHALL BE POSTED ON THE PREMISES IDENTIFIED ABOVE

This permit is issued on condition that applicant shall comply with all applicable provisions of the Milpitas Municipal Code. Violation of the provisions of this permit may be grounds for revocation of permit and assessment of penalties.

WHITE COPY: Permittee YELLOW COPY:Bureau Files PINK COPY: Construction Permit File

BF#100-72

City of Milpitas

ROUTING SLIP	DEPT.
To: 1 1355 California Circle	
2 Sun Microsystem	
3 UST Removal	
4	
5	
From:	

- ☐ APPROVAL
- ☐ SIGNATURE
- ☐ COMMENT
- ☐ SEE ME
- ☐ AS REQUESTED
- ☐ INFORMATION
- ☐ READ AND RETURN
- ☐ READ AND FILE
- ☐ NECESSARY ACTION
- ☐ INVESTIGATE
- ☐ RECOMMENDATION
- ☐ PREPARE REPLY

REMARKS

Date 9/21/92

Harza Kaldveer, Consulting Engineer

Called Sept 18. Soil samples

TPH - Diesel - No detect

BTEX - No detect.

Joelle Smith 9/21/92

Form # 30-73 (6/74)

V

FACILITY ADDRESS 1355 California Circle

UNDERGROUND TANK MONITORING UPDATE

FACILITY NAME Sun Microsystems, Inc.

COMPLETE ONE LINE FOR EACH TANK	
HAZARD CLASS	CHL
CONTENTS A WASTE MATERIAL Y/N	N
TANK SIZE	1000
STATE TANK ID #	
TANK — DOUBLE WALLED	
TANK — SECONDARILY CONTAINED	
PIPING — DOUBLE WALLED	
PIPING — SECONDARILY CONTAINED	
MONITORING ALTERNATIVE	
MANUFACTURER (MONITORING)	
DATE PLANS APPROVED	
PERMIT APPROVED (See Codes Below)	
DATE MONITORING INSTALLED	
DATE SYSTEM REMOVED	
UNAUTHORIZED RELEASE DATE	
DATE TANK REPAIRED	
DATE PIPING REPAIRED	
DATE LAST INSPECTED	
NON-COMPLIANCE (See Codes Below)	
DATE TANK REMOVED	9/16/92
REFERRED TO (See Codes Below)	

CODES:

Non-Compliance
1. Records
2. Monitoring Frequency
3 - Maintenance
4 - Alarms

Permit Approved
1Y - City
2Y - SCVWD

Referred To
1 - RWQCB
2 - SCVWD
3 - OES
4 - Other

REV. 1/88

DATE: September 21, 1992

TO: File

FROM: Capt. Joelle Wilkes JW

SUBJECT: **1355 California Circle - Sun Microsystems Underground Storage Tank Closure -**

On Wednesday, September 16, 1992, at approximately 1000 hours, Sun Microsystems removed a 1,000 gallons underground storage tank and a 100 gallons above ground tank in accordance with Closure Permit # UR92-1074.

The underground tank and the above ground tank were inereted with dry ice at 9:20 am.

The excavation hole was close to the generators on the adjacent pad however, the generators were on footing at both ends.

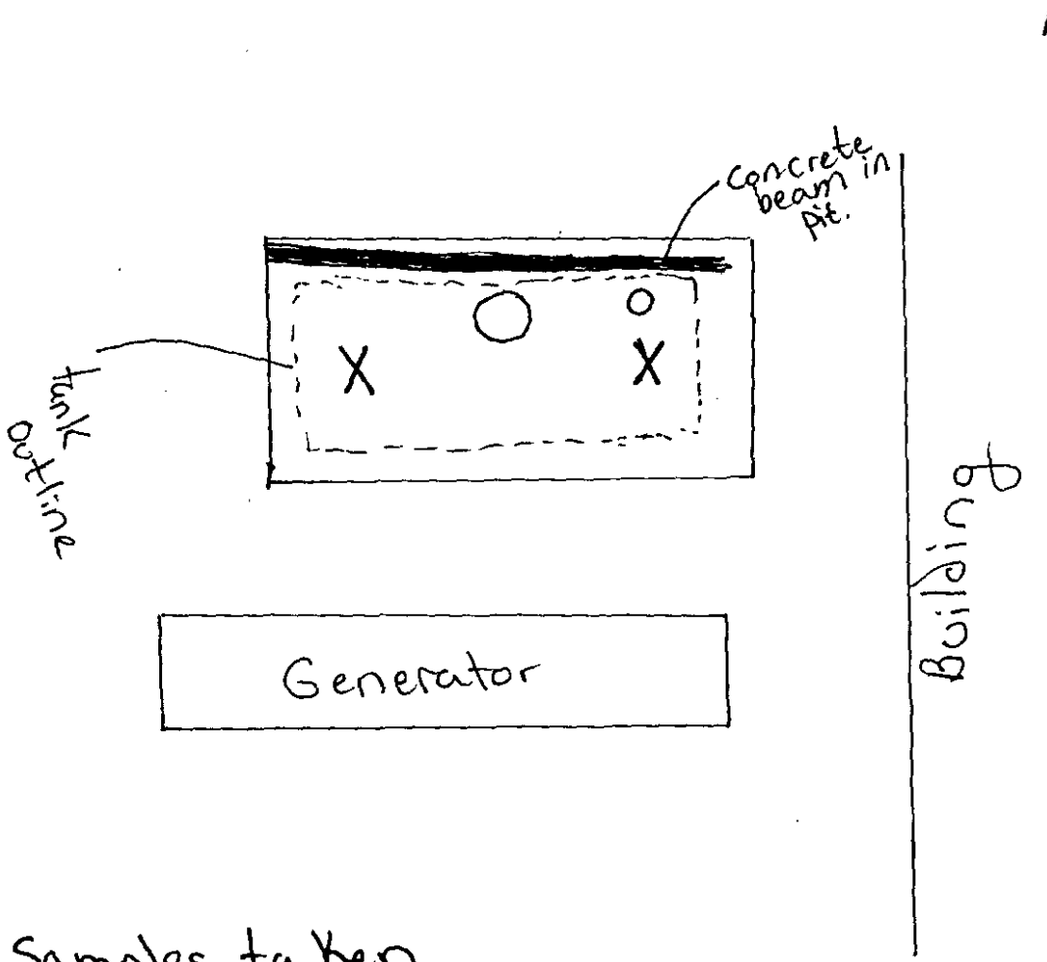
The material contained in the tanks was diesel. Readings with the gas tech were not taken on the above ground tank. Visual freezing to half the height of the tank was observed. The Gas tech readings for the 1000 gallon underground storage tank was LEL 5ppm and Oxygen 2 %.

The 1000 gallon underground storage tank UL#225010
Tank had no visible cracks or holes and no odor was present when the tank was removed from the ground. Soil was a clay-like with no apparent odor.

Two soil samples were taken in the area beneath the tank. See attached diagram. Soil samples were taken by Harza Kaldveer, Consulting Engineers out of Oakland. A 48 hour turn around was being performed on samples.

9/21/92

Diagram of UST Removal
on Sept. 16, 1992 at
1355 California Circle - Sun Microsystems



X = Samples taken

Weather - sunny, partly cloudy, no wind
approximately 75°F

Not drawn to scale

Paula L Withers / 19K5

GENE L. FAILING & SON
'Hoe-4-RNT'

Backhoe Service • Hoe Rams
Bobcat Rental • 10YD. Dump Truck
Hoe Pacs

3924 Middletown Ct.
Campbell, CA 95008
Cont. Lic. 488826

Bus. (408) 246-4217
Home (408) 378-3534
A & HAZ--C61-D56

DAVID W. BUCKLEY, P.E. / C.E.G.
Consulting Engineer and Geologist

3452 Lisbon Drive
San Jose, CA 95132

Tel. & Fax :
(408) 942-6952

HARZA KALDVEER *Consulting Engineers*

MARCELA JIMÉNEZ
Environmental Specialist

doing gw. Sampling

425 Roland Way
Oakland, California 94621
Tel: (510) 568-4001
Fax: (510) 568-2205

HARZA KALDVEER *Consulting Engineers*

JOHN R. SUTTON, P.E., G.E.
Associate
Manager, Environmental Services

425 Roland Way
Oakland, California 94621
Tel: (510) 568-4001
Fax: (510) 568-2205

City of Milpitas

FIRE DEPARTMENT

777 S. Main Street
Milpitas, California 95035
(408) 942-2383
FAX (408) 263-7836

RECEIVED
JUL 29 1992
MILPITAS FIRE DEPT.

APPLICATION FOR PERMIT TO

CLOSE AN UNDERGROUND TANK STORAGE FACILITY

This permit application applies to all underground tank hazardous materials storage facilities with intentions to permanently terminate the storage of hazardous materials.

You will need to complete the following information in order to obtain a closure permit to remove an underground tank. Closure plans shall be submitted for approval to the Bureau of Fire Prevention 30 days prior to the termination of storage activity. A closure permit shall be issued after review and approval of the closure plan. Do not begin closure operations until a permit has been issued.

Complete the following:

1. Location of property:

SUN MICROSYSTEMS INC 1355 CALIF. CIR. MILPITAS CA 408 276-3689
Name Address Phone Number

2. Property Owner:

PRENTIS PROPERTIES 1901 HARRISON SUITE 1530 OAKLAND 94612 510 839
Name Address Phone Number

3. Facility Owner:

SUN MICROSYSTEMS INC 2550 GARCIA AVE MT. VIEW CA 94043 415-960-1300
Name Address Phone Number

An Equal Opportunity Employer

4. Contractor(s) to remove tanks:

Gene L Failing & Son 3924 Middletown Ct. Campbell CA 408 246-4217
Name Address Phone Number

Work to be performed:

Remove 1- 1000 Gal. Diesel U.S.T.

1- 100 Gal Diesel Above Ground Day Tank

5. Tank Hauler:

DOHS Waste Hauler #: 205651
Expiration Date: _____

Erickson Inc. 255 Parr Blvd Richmond CA 94801 - 510-235-139:
Name Address Phone Number

6. Tank(s) to be rendered safe by:

X Adding dry ice (20 pounds per
for oxygen displacement);
_____ Displacing the tank's atmosphe

_____ Other (describe) _____

_____

_____ Tank to be filled in place. Ap
this alternative.

GENE L. FAILING & SON
'Hoe-4-RNT'

Backhoe Service • Hoe Rams
Bobcat Rental • 10YD. Dump Truck
Hoe Pacs
Mobile 408 483-4220
3924 Middletown Ct. **Bus. (408) 246-4217**
Campbell, CA 95008 **Home (408) 376-3534**
Cont. Lic. 488828 **A & HAZ--C61-D58**

7. Company taking samples:

X Kalveer Associates 1737 No. 1st St.
Company Name Address Phone Number

Laboratory performing analysis:

X ~~Carter Analytical Lab.~~ 590 Division ST Campbell 408 364 3030
Business Name Address Phone Number

Quanta Labs Vincent Ave Pleasant Hill 510-930-9090

Soil sample(s) shall be obtained and analyzed by an independent third party. Sampling methods shall be in an approved manner. Analysis shall be performed by an analytical laboratory approved by the State Department of Health Services. Analysis shall be performed for residual hazardous materials using methods approved by the Regional Water Quality Control Board (RWQCB) and/or the Environmental Protection Agency. (See attached list of sampling

requirements). All information pertaining to the location of samples, sampling methods, test procedure, results and the chain of custody form (attached) shall be submitted to the City by the third party independent of the permittee. If piping is included in the closure, then soil samples shall be taken from undisturbed soil underneath both ends of each tank, and for each 20 feet of piping. Sampling shall be carried out in accordance to recogonized standards. If sampling is done prior to the tank and piping removal, sample(s) shall be obtained as close to the fill end of each tank as possible, and as close to the piping as possible; the Regional Water Quality Control Board's procedure for slant sampling shall be followed.

Upon review of the sample results, if an unauthorized release has occurred, the permittee may be required to investigate further, and initiate appropriate cleanup procedures, if directed to do so by the RWQCB, or their agent.

8. Destination of:

Tank:

ERICKSON INC | 255 PARR. Blvd Richmond CA 94801 | 510 235 1393

Name | Address | Phone Number

Piping:

SAME AS ABOVE

Name | Address | Phone Number

Contents:

NOR CAL OIL | P.O. BOX 645 DENAIR CA 95316 | 209-667-66

Name | Address | Phone Number

9. How is the piping system to be cleaned, if not taken to an approved site

10. Inventory of tanks to be removed:

	Size	Tank Content
Tank #1	1000 GAL	DIESEL
Tank #2	100 GAL DAY TANK	DIESEL
Tank #3		
Tank #4		

(USE ADDITIONAL SHEETS IF NECESSARY)

11. Approximate time schedule for removal:

Date: Aug 10th 1992 Time: 8 AM

I declare under penalty of perjury that the aforementioned information is correct to the best of my knowledge. If there is any change which would materially affect the above information, I will notify the Bureau of Fire Prevention prior to beginning operations.

Executed this 29 day of July, 19 92

at 3924 Middletown CT. CAmpbell CA 95008
(address)

A responsible company officer certifying this information is correct shall print their name, provide their title, and sign below.

Name: Gene L FAiling

Title: CONTRACTOR

Signature: Gene L Failing

FIRE DEPARTMENT REQUIREMENTS

1. A closure permit is required to remove any tank(s).

2. Underground tank(s) shall be removed from the ground only when a representative from the Fire Department and the person taking samples are on site.

3. Vapor readings shall be taken from all tanks, previously storing volatiles by the Fire Department prior to tank removal. Vapor readings for percent oxygen shall be between 6% and 7%, and LEL levels shall be 12 ppm or below prior to removal.

4. For tanks previously storing volatiles, dry ice shall be placed inside the tank(s) at least two hours prior to removal, amount required calculated at 20 pounds per 1000 gallons of tank volume. For tanks which stored materials other than volatiles, different requirements may apply.

5. A 20 BC rated fire extinguisher shall be on site.

6. No smoking, welding or open flames shall be permitted on site. Signs shall be posted.

7. If the excavation hole is to be left open, provide a means for security, i.e. 6 foot chain link fence, guard, etc.

8. If the distance from the excavation hole to a structure is less than one (1) foot out for each one (1) foot of depth, then shoring of the excavation hole is required. It shall be the responsibility of the contractor to assure this provision is adhered to for the safety of all workers at the site.

9. If excavation hole is to be filled prior to sampling results being accepted by the Fire Department, if required, the backfill material shall be removed for further sampling.

10. If groundwater wells are to be abandoned, a well distruction permit from the Santa Clara Valley Water District is required. Call 408-265-2600.

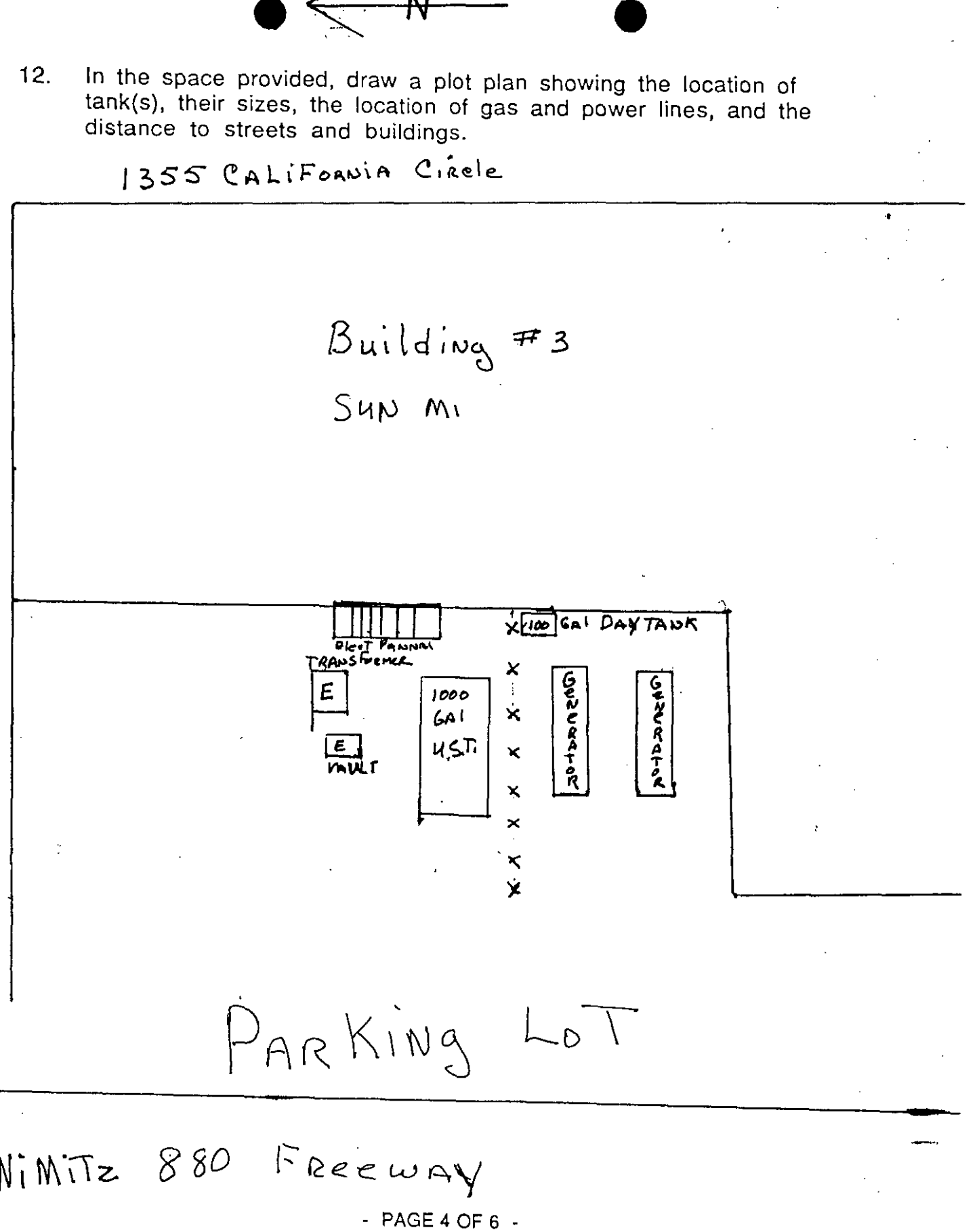
11. If new tanks or piping are to be installed, a construction permit for installation shall be obtained. Submit plans to the Fire Department for review and approval prior to installation of tank(s) and/or piping.

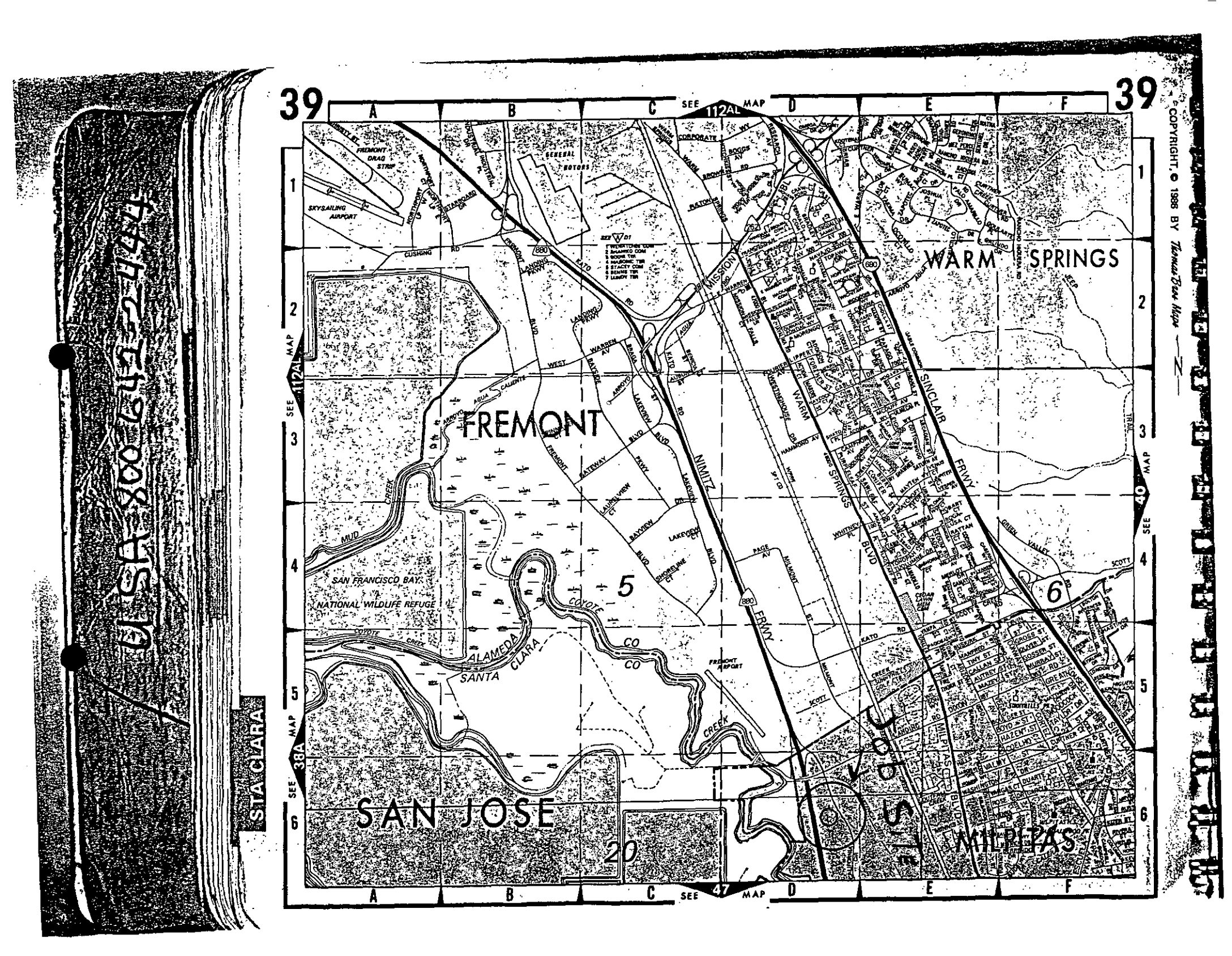
12. Monitoring plans shall be submitted and approved prior to approval of plans for new installation, guidelines are available from the Fire Department.

13. The Bay Area Air Quality Management District requires notification and/or permits prior to tank removal and soil aeration. For more information call 415-771-6000.

14. **All inspections shall be scheduled at least 24 hours in advance, call 408-942-2386 to schedule inspections. Inspections required will be listed on your permit.**

12. In the space provided, draw a plot plan showing the location of tank(s), their sizes, the location of gas and power lines, and the distance to streets and buildings.





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STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD
DEPARTMENT OF
Consumer Affairs

Building Quality

HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.

Qualifier: Gene Lester Failing

License No.: 488826

Namestyle: Gene L Failing

DEPARTMENT OF CONSUMER AFFAIRS REGISTRAR OF CONTRACTORS STATE OF CALIFORNIA

WITNESS *my hand and official seal this*
16th *day of* June, 1989

Dan R Ellis
Registrar of Contractors

13L-36 (7/88)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A3118

Certificate of Training

This Certifies That

GENE L. FAILING

Has Completed The Required Course Of Training For

EIGHT HOUR ANNUAL REFRESHER COURSE (OSHA 1910.120)

And Is Awarded This Certificate By

Stamco, Inc.

San Martin, California

This 13th Day Of MARCH 1992

ACHIEVEMENT • EXCELLENCE • HONOR • SERVICE

CONTRACTORS STATE LICENSE BOARD
Consumer Affairs

Entity INDIV

License Number 488826

Name/Namestyle GENE L FAILING

Classification(s) A C61/D56 HAZ

Expiration Date 03/31/93

BUILDING PROJECT IDENTIFICATION

SITE 01355 CALIFORNIA CR 0000 000

APPLICANT
SAN JOSE CONSTRUCTION
1210 COLEMAN AVE
SANTA CLARA CA 95050 (408) 986-8711

OWNER
PRENTISS PROPERTIES
1901 HARRISON ST #1530
OAKLAND CA 00000 (415) 839-9974

GENERAL CONTRACTOR
SAN JOSE CONSTRUCTION
1210 COLEMAN AVE
SANTA CLARA CA 95050 (408) 986-8711 Lic B 1 420837

ARCHITECT/ENGINEER

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B 1 Lic. No. 420837 Contractor SAN JOSE CONSTRUCTIO

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as the owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044 Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.

☐ *I am exempt under Sec.* _____ *B. & P. C. for this reason* _____

DATE _____ OWNER _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.).

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the county building inspection department or county _____ department.

DATE 11-29-93 APPLICANT R Rathbun SJC

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

DATE _____ APPLICANT _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3087 Civ. C.).

Lender's Name _____ Lender's Address _____

★*I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.*

X SIGNATURE OF APPLICANT OR AGENT R Rathbun SJC DATE 11-29-93

NOTICE This job copy of this permit shall be kept on the job to make the required entries thereon. The permit will expire if work is not started in 180 days, or if work is abandoned for more than 180 days. This is a Building Permit when properly filled out, signed and validated, and is not transferable.

CITY OF MILPITAS

BUILDING INSPECTION DIVISION
455 E. CALAVERAS BLVD.
MILPITAS, CA 95035 (408) 942-2350

PERMIT NO.	FIRE SPRINKLERS	DESCRIPTION OF WORK
65349 BRNL	UNKNOWN	RENEW PERMIT #62266 X
PERMIT DATE	**USE ZONE**	**TO BE USED AS**
29-NOV-93		
CATEGORY	**SQ FT**	**LOCATION ON SITE**
NOT APPL		
OCCUPANCY GROUP	**TYPE OF CONST.**	**CONTRACTOR THIS PERMIT**
UNKNWN	UNKNOWN	SAN JOSE CONSTRUCTION 1210 COLEMAN AVE SANTA CLARA CA 95050 (408) 986-8711 Lic
VALUATION	**APN**	

RENEW BUILDING PERMIT
BLDG PERMIT

FEE SUMMARY

BP13 Building Permit Renewal/Transf 1 2462.50

Renewal of permit 62266 finaled
by Fire Dept 9/2/92
Haz Mat 9/9/92

TOTAL FEES COLLECTED 2462.50

INSPECTION SUMMARY

	B038 MISCELLANEOUS		B212 Clearance Special Inspection
	B048 Miscellaneous Concrete Work		B214 CLEAR CITY/COUNTY HAZ-MAT (FORMS
	B056 Girder/Joist	11/30/93 RR	B216 FINAL FIRE VALID W/PAYMENT OF FE
	B060 Under Floor Framing/Shear	11/30/93 SW	B217 FIRE HAZ-MAT UNIT CLEARANCE "over"
	B064 Under Floor Ventilation		B220 FINAL PUBLIC WORKS
	B068 FLOOR NAIL		B224 Clearance Other Department
	B080 Roof Nail		B228 Final Report Building Pad
	B084 Roof Framing		B232 Final Report Parking Lot
	B086 MISCELLANEOUS		B236 Final Landscaping
	B092 Exterior Shear		B240 Final Grading
	B096 Exterior Framing		B244 Final Fence
	B100 Interior Framing		B248 Final Roof Screen
	B104 Interior Shear		B252 Title 24/Insulation Certificatio
	B108 Exterior Lath	11/30/93 BAC	B256 Final Building
	B116 Attic Ventilation		B260 Utility Release PG&E
	B118 Garage Ventilation (Residence)		B264 Utility Release Water
	B120 Flashings		B268 Certificate of Occupancy Issued
	B124 Equipment Location		B280 Closed Out by Bldg (Never Finale
	B128 Equipment Support		B284 Transfer to New Contractor
	B132 Roof Screen Framing		
	B136 Wall Insulation		
	B140 Ceiling Insulation		
	B144 Exterior Elevation		
	B148 Sheetrock Nail		
	B150 SHEETROCK SHEAR		
	B152 MISCELLANEOUS		
	B156 Tile lath		
	B158 Fire Department Above Ceiling		
	B160 T-Bar Ceiling		
	B172 Mail Box		
	B176 Building Weather Stripping		
	B180 Wall Penetrations		
	B184 Premise Identification		
	B196 GluLam Certification		
	B200 Smoke Detectors		

PERMITTEE PLEASE INITIAL
Code To Be Applied To This Permit:
1991 UBC _____

BUILDING PROJECT IDENTIFICATION

SITE 01255 CALIFORNIA LN 0000 000

APPLICANT
SAN JOSE CONSTRUCTION
1210 COLEMAN AVE
SANTA CLARA CA 95050 (408) 986-8711

OWNER
PRENTISS PROPERTIES
1901 HARRISON ST #1530
OAKLAND CA 00000 (415) 839-9974

GENERAL CONTRACTOR
SAN JOSE CONSTRUCTION
1210 COLEMAN AVE
SANTA CLARA CA 95050 (408) 986-8711 Lic B 1 420837

ARCHITECT/ENGINEER

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B 1 Lic. No. 420837 Contractor SAN JOSE CONSTRUCTIO

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors' *License Law for the following reason (Sec. 7031.5, Business and Professions Code:* Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to *a civil penalty of not more than five* hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving *that he or she did not build or improve for the purpose of sale*.).

☐ I, as the owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044 Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

DATE _____ OWNER _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.).

☒ *Certified copy is hereby furnished.*

☐ Certified copy is filed with the county building inspection department or county _____ department.

DATE 4/14/92 APPLICANT [signature]

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($ 100) or less.)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

DATE _____ APPLICANT _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3087 Civ. C.).

Lender's Name _____ Lender's Address _____

★*I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.*

SIGNATURE OF APPLICANT OR AGENT [signature] DATE 4/14/92

NOTICE This job copy of this permit shall be kept on the job to make the required entries thereon. The permit will expire if work is not started in 180 days, or if work is abandoned for more than 180 days. This is a Building Permit when properly *filled out, signed and validated, and is not transferable.*

CITY OF MILPITAS

BUILDING INSPECTION DIVISION
455 E. CALAVERAS BLVD.
MILPITAS, CA 95035 (408) 942-2350

PERMIT NO. 92256 BASI	FIRE SPRINKLERS UNKNOWN	DESCRIPTION OF WORK 500KW GENERATOR; 3/1000 GAL FUEL TANKS
PERMIT DATE 14-JUL-92	USE ZONE	TO BE USED AS 92-26
CATEGORY ADDITION	SQ FT	LOCATION ON SITE
OCCUPANCY GROUP UNKNOWN	TYPE OF CONST. SAN	CONTRACTOR THIS PERMIT JOSE CONSTRUCTION 1210 COLEMAN AVE SANTA CLARA CA 95050 (408) 986-8711 Lic
VALUATION 235,000	APN	

INDUSTRIAL ACCESSORY STRUCTURE
BUILDING PERMIT

FEE SUMMARY

BF01 Building Permit Issuance 1 4925.00

TOTAL FEES COLLECTED 4925.00

INSPECTION SUMMARY

_____	B004 Pad Release (Soils Engineer)	_____	B158 Fire Department Above Ceiling
_____	B006 Foundation; Special Insp Clearan	_____	B160 T-Bar Ceiling
_____	B008 Set Back/Elevation	_____	B168 Landscape Grading
_____	B012 Floor Elevation	_____	B176 Buildings Weather Stripping
_____	B016 Forms/Steel PASS 7/23/92KB	_____	B180 Wall Penetrations
_____	B018 Grounding Electrode (UFER)	_____	B188 Storm Drainage System
_____	B020 Hold Downs	_____	B192 Driveway
_____	B028 Column Pads; Piers	_____	B196 GluLam Certification
_____	B032 Footings PASS 7/23/92KB	_____	B212 Clearance Special Inspection
_____	B040 HUM Walls	_____	B216 Clearance Fire Department
_____	B044 Floor Slab	_____	B220 Clearance Public Works
_____	B048 Miscellaneous Concrete Work	_____	B224 Clearance Other Department
_____	B052 Wall Panels	_____	B228 Final Report Building Pad
_____	B056 Girder/Joist	_____	B232 Final Report Parking Lot
_____	B060 Under Floor Framing; Shear	_____	B236 Final Landscaping
_____	B068 FLOOR NAIL	_____	B240 Final Grading
_____	B072 Under Floor Insulation	_____	B244 Final Fence
_____	B080 Roof Nail	_____	B248 Final Roof Screen
_____	B084 Roof Framing	_____	B252 Title 24/Insulation Certificatio
_____	B088 Closure Strip	_____	B256 Final Building
_____	B092 Exterior Shear	_____	B260 Utility Release PG&E
7/23/92KB	B096 Exterior Framing	_____	B284 Transfer to New Contractor
_____	B100 Interior Framing		
_____	B104 Interior Shear		
7/23/92KB	B108 Exterior Lath		
_____	B120 Flashings		
_____	B124 Equipment Location		
_____	B128 Equipment Support		
_____	B132 Roof Screen Framing		
_____	B136 Wall Insulation		
_____	B140 Ceiling Insulation		
_____	B144 Exterior Elevation		
_____	B148 Sheetrock Nail		
_____	B152 MISCELLANEOUS		
_____	B156 Tile Lath		

Final Subject To Approval of Hmz/mat inspection & Approval 19kf-

PERMITTEE PLEASE INITIAL
Code to be Applied To This Permit:
1988 UBC _____

CITY OF MILPITAS FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION INSPECTION FORM

DATE 9-9-92 CONTRACTOR Shields Harper

JOB NAME Sun Microsystems

LOCATION 1355 Callana Circle

TYPE OF INSPECTION:

___ Automatic Sprinklers ___ Halon System

✓ Fire Alarm Systems ___ Temporary Use Permit

✓ Other _____

COMMENTS Monitoring system

Day tank supply #1 return #1

~~[illegible]~~ #3

Secondary return on connections to the day tanks (3) appears to be piped to Diesel from day tank to generator (3 tanks).

Overfill alarms audible/visual at tank location OK.

INSPECTED BY P Jaki KJ

If you have any questions, please contact the Bureau of Fire Prevention at (408) 942-2386.

DISTRIBUTION: White - File; Yellow - Bldg. Permit; Pink - Contractor

Form #BP100-64 (Rev. 12/88)

CITY OF MILPITAS FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION INSPECTION FORM

DATE 9-9-92 CONTRACTOR Sun Systems

JOB NAME Sun Micro Systems

LOCATION 1355 Calfana Circle

TYPE OF INSPECTION:

___ Automatic Sprinklers ___ Halon System

___ Fire Alarm Systems ___ Temporary Use Permit

X Other _____

COMMENTS Primary & secondary from day tank to generator passed

INSPECTED BY _____

If you have any questions, please contact the Bureau of Fire Prevention at (408) 942-2386.

DISTRIBUTION: White - File; Yellow - Bldg. Permit; Pink - Contractor

Form #BP100-64 (Rev. 12/88)

CITY OF MILPITAS FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION INSPECTION FORM

DATE 9/4/92 CONTRACTOR San Jose Construction

JOB NAME Monitoring System Test

LOCATION 1355 California Circle

TYPE OF INSPECTION:

___ Automatic Sprinklers ___ Halon System

___ Fire Alarm Systems ___ Temporary Use Permit

X Other _____

COMMENTS Monitoring system for the above ground tanks has been tested. Sensors in the tanks interstitial space tested OK. Sensors in the valve boxes OK. Secondary pipe sensor OK. Inventory monitoring system OK. High level alarm works on the board but does not test the outside alarm on. The emergency generators can be put on line. ~~Test~~ No more fuel allowed.

INSPECTED BY Frank Sinas

If you have any questions, please contact the Bureau of Fire Prevention at (408) 942-2386.

DISTRIBUTION: White - File; Yellow - Bldg. Permit; Pink - Contractor

Form *BP100-64 (Rev. 12/88)

CITY OF MILPITAS FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION INSPECTION FORM

DATE 9/2/92 CONTRACTOR _____

JOB NAME Sun Micro

LOCATION 1355 California Cir

TYPE OF INSPECTION:

____ Automatic Sprinklers ____ Halon System

____ Fire Alarm Systems ____ Temporary Use Permit

____ Other _____

COMMENTS

Fire Final for Above Ground Fuel Tanks Approved

Notes Mount Fire Extinguishers

Approval Also Subject To Haz/mat inspection and Approval

INSPECTED BY [signature] 1982

If you have any questions, please contact the Bureau of Fire Prevention at (408) 942-2386.

DISTRIBUTION: White - File; Yellow - Bldg. Permit; Pink - Contractor

Form *BP100-64 (Rev. 12/88)

CITY OF MILPITAS FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION INSPECTION FORM

DATE 8/25/92 CONTRACTOR San Jose Construction

JOB NAME Underground tank secondary containment pressure test

LOCATION 1355 California Circle

TYPE OF INSPECTION:

___ Automatic Sprinklers ___ Halon System

___ Fire Alarm Systems ___ Temporary Use Permit

X Other _____

COMMENTS The secondary containment per 3 above ground fuel tanks was kept at under the 3 PSI. No pressure drop has been noted during the inspection

INSPECTED BY Frank Hussey

If you have any questions, please contact the Bureau of Fire Prevention at (408) 942-2386.

DISTRIBUTION: White - File; Yellow - Bldg. Permit; Pink - Contractor

Form #BP100-64 (Rev. 12/88)

CITY OF MILPITAS FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION INSPECTION FORM

DATE 8/20/92 CONTRACTOR Air Systems

JOB NAME Secondary Containment Pressure Test

LOCATION Building #3 Sun Microsystems

TYPE OF INSPECTION:

____ Automatic Sprinklers ____ Halon System

____ Fire Alarm Systems ____ Temporary Use Permit

X Other _____

COMMENTS All secondary containment pipes has been pressurized under the 10 psi. No pressure drop noted.

INSPECTED BY Lauk Lucas

If you have any questions, please contact the Bureau of Fire Prevention at (408) 942-2386.

DISTRIBUTION: White - File; Yellow - Bldg. Permit; Pink - Contractor

Form #BP100-64 (Rev. 12/88)

CITY OF MILPITAS FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION INSPECTION FORM

DATE 8/13/92 CONTRACTOR Air Systems

JOB NAME Primary piping pressure test

LOCATION 1355 California Circle

TYPE OF INSPECTION:

___ Automatic Sprinklers ___ Halon System

___ Fire Alarm Systems ___ Temporary Use Permit

X Other _____

COMMENTS All primary piping has been tested under 60 psi. No pressure drop during inspection has been noted.

INSPECTED BY Frank Amos

If you have any questions, please contact the Bureau of Fire Prevention at (408) 942-2386.

DISTRIBUTION: White - File; Yellow - Bldg. Permit; Pink - Contractor

Form #BP100-64 (Rev. 12/88)

Construction Inspection Worksheet

Permit Number : 602266
Contractor :
Project Name : Sunmicro Systems
Project Address : 355 California Circle
Phone Number :

Legend for activities:

AutoFire Sprinkler System	SS	Halon System	HS
Hood & Duct	HD	Fire Alarm System	FA
Fire Safety Review	FS	Haz Mat Facility Closure	FC
Haz Mat Processes	HP	Liquidied Petroleum Gas	LPG
Refrigeration Equipment	RF	Spray Booths	SB
Toxic Gases	GS		

DATE	CODE	INSPECTOR	COMMENTS	~~HOURS~~ HOURS
9-9-92	HP	P. Jaki	piping from day tank to generator	30 minutes
9-9-92	HP	P Jaki	Not ready for inspection	1 hour
9-2-92	FS	D Gehrke	Final by Fire Prevention	30 minutes
9-9-92	HP	P Jaki	monitoring test (2 probes + outside alarm)	45 minutes
9-2-92	HP	F Tinas	not ready for inspection	1 hour
9-4-92	HP	F Tinas	monitoring test is not fully completed	2 hours 30 min.
8-13-92	HP	F Tinas	primary piping pressure test	1 hour
8-20-92	HP	F Tinas	secondary piping pressure test	30 min
8-25-92	HP	F Tinas	Above ground tanks secondary containment pressure test	30 min

City of Milpitas

FIRE DEPARTMENT

CONSTRUCTION PERMIT INVOICE

Date : 7-19-92
Fire Dept. Permit No. :
Contractor Name :
Contractor Address :

Contractor Phone No. :

Revenue Account No.: 010-3220
Plan Check No. : 62266
Project Name :
Project Address : 1355 California Cr. Milpitas

Your application for a permit has been reviewed, conditioned and approved by the Fire Department. Plan review and the first hour of inspection fees, as applicable, are listed below. The permit shall be issued upon payment of fees. Additional fees for inspection time extending beyond one (1) hour will be invoiced separately and no permit shall be finalized until the additional fees have been paid.

Please make checks payable to the City of Milpitas.

PLAN REVIEW:

Building Standards Life Safety Review:

____	Automatic Fire Sprinkler System	____	hour(s)
____	Fixed Extinguishing Systems	____	hour(s)
____	Standpipes (Class I, II, III)	____	hour(s)
____	Fire Alarm Systems	____	hour(s)
____	Fire Safety Plan Review	____	hour(s)
____	Liquefied Petroleum Gases	____	hour(s)
____	Ovens, Furnaces, Industrial Baking	____	hour(s)
____	Oven or Drying, includes Kilns	____	hour(s)
____	Private Fire Service Water Systems	____	hour(s)
____	Refrigeration Equipment	____	hour(s)
____	Spray Booths	____	hour(s)
____	Other	____	hour(s)

Hazardous Materials Review:

____	Hazardous Material Facility Closure	____	hour(s)
_X_	Hazardous Materials Storage Systems	3	hour(s)
____	Hazardous Materials Processes	____	hour(s)
____	Toxic Gases, Compressed Gases, or Cryogen Piping Systems	____	hour(s)
____	Other	____	hour(s)

TOTAL HOURS of PLAN REVIEW: 3 Hour(s) at $53.00/hour = $ 159.00

INSPECTION:

$53.00 for 1st hour of Inspection X 1 No. of Categories = $ 53.00

TOTAL AMOUNT DUE = $ 212.00

CLERK: 1327 TRANS.#: A20010

DISTRIBUTION: WHITE - Finance; YELLOW - Fire; PINK - Building; GOLDENROD - Applicant

777 S. Main Street, Milpitas, CA 95035, (408) 942-2383, Fax: (408) 942-3269

BF#100-18

City of Milpitas
FIRE DEPARTMENT

777 S. Main Street
Milpitas, California 95035
(408) 942-2383
FAX (408) 942-3269

Mr. Rick Penksa
Project Manager
Sun Microsystems Inc.
2550 Garcia Avenue
Mountain View, CA 94043

May 4, 1992

RE: 1355 California Circle, Request for Alternate Method

Dear Mr. Penksa:

Your letter describing Sun Microsystems, Inc. request for an alternate method for the installation of three (3) 1000 gallon aboveground diesel fuel storage tanks has been reviewed.

It is my finding that the proposed Petrovault tank manufactured by Sannipoli Corporation, in respect to design complies with the intent of the Uniform Fire Code. Upon approval of your permit application (installation plans) by the Building Inspection Division, Planning Division and the Fire Department it is my position that the operation and installation complies with the intent of the Fire Code and is equivalent to that required in the Code in respect to quality, strength, effectiveness, fire resistance, durability and safety. Accordingly, approval will be granted as allowed by Section 2.301(b) of the 1991 Uniform Fire Code.

This approval is not intended to be a representation of the Fire Department's general view on the installation of aboveground tanks, nor an endorsement of the specific manufacturer.

Approval is subject to the following:

1. This approval is not transferable to future tenants.

An Equal Opportunity Employer

2. Use is limited to providing fuel to emergency generators.

Sincerely,

Robert E. Webster
Fire Marshal

encl: April 24, 1992 letter

cc: Edgar Rodriquez, Building Official
Fire Department General File
Fire Department Address File

Sun Microsystems, Inc.
2550 Garcia Avenue
Mountain View, CA 94[illegible]
415 960-1300

April 24, 1992

RECEIVED
APR 24 1992
MILPITAS FIRE DEPT.

City of Milpitas
Fire Department
455 E. Calaveras Blvd.
Milpitas, CA 95035

RE: #92-026 Sun Microsystems EB-3
Emergency Generator

Attention: Mr. Robert Webster:
Fire Marshall

Dear Mr. Webster:

Sun Microsystem's Corporate Data Center and Network Control Center are located in its Milpitas Building #3 located at 1355 California Circle, Milpitas. This facility is the hub of Sun's data and communications systems internationally. It is therefore essential to Sun's business that this facility be continuously operational 24 hours a day, 365 days a year.

Equipment expansion in the Data Center requires a third emergency generator and new paralleling equipment be installed to ensure continuous operation in the event of an electrical utility power interruption or outage. The existing 1000-gallon, underground fuel oil supply tank does not have adequate capacity to supply the two (2) existing and the planned one (1) new emergency gensets. It must therefore be replaced with a minimum 3000 gallon supply.

Sun aggressively pursues environmental responsibility. The company is therefore aware of the historic failure of underground fuel tanks and the resulting long-term, expensive environmental damaged, particularly to the water table. Although there is no indication that the existing underground tank is leaking or has leaked, discovery of a leak during its removal would cause probable long-term complications to proceeding with a larger installation, presenting severe complications to maintenance of continuous operations in the Data Center.

Sun leases the subject building as it does most of its facilities. The associated legal obligations would compound the long-term environmental liabilities associated with fuel oil contamination, further complicating resolution of environmental remediation for Sun.

The long-term construction delays and the long-term legal and environmental complications associated with fuel oil contamination present significant practical difficulties for Sun with underground installation of the required new fuel supply system. Per the 1991 edition of the Uniform Fire code, Article 2, Division III, Section 2.301 (b), we are therefore requesting approval for the above ground installation of three (3) 1000-gallon fuel oil tanks to provide fuel for the two existing and one new emergency generators.

The proposed aboveground tanks are manufactured by Petro Vault and comply with the Uniform Fire Code, Sections 79.902 (c), 79.903 (a) and Appendix II-F as follows:

1 Both the primary and secondary tanks are manufactured and listed per U.L. 142..

2. The tanks meet the requirements of NFPA 30 for aboveground tanks.

3. The secondary tank is totally encased with six (6) inches of reinforced concrete that will provide a two (2) hour fire rating, crash and ballistic protection.

4. The concrete envelope is further protected with a steel enclosure to prevent moisture penetration of the concrete. The steel enclosure is provided with three (3) coats of epoxy paint.

5. All penetrations through the tank are from the top.

6. Both the primary and secondary tanks are vented and provided with emergency vents.

7. The primary tank will be provided with an automatic fuel shut-off valve to limit the amount of fuel stored to ninety (90) percent of the tank capacity. The tank is also equipped with a seven (7) gallon overfill/spill containment box.

8. The tank is structurally welded to Seismic Zone 4 anchoring tie downs. The tie downs are additionally anchored to an equipment pad.

9. The tank will be provided with a leak detection panel to monitor the annular space between the primary and secondary tanks, all double-wall fuel oil supply and return piping; and high and low level fuel alarms.

Very truly yours,

Rick Penksa
Project Manager
(415) 276-5687

cc: MTH Engineering – Curtis Takahashi
PRACTICON ASSOCIATES – Bob Law

RP:amg

CITY OF MILPITAS FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION INSPECTION FORM

DATE 2/8/94 CONTRACTOR INTEC TECH

JOB NAME SUN MICRO SYSTEMS

LOCATION 1355 CALIFORNIA CIRCLE

TYPE OF INSPECTION:

____ Automatic Sprinklers ___X___ Halon System

____ Fire Alarm Systems ____ Temporary Use Permit

____ Other _____

NETWORK CONTROL CENTER

COMMENTS HALON SYSTEM TEST.

~~LOCAL~~ ALL FUNCTIONS TESTED

AND PASSED

INSPECTED BY Ed Eyth 1963

If you have any questions, please contact the Bureau of Fire Prevention at (408) 942-2386.

DISTRIBUTION: White - File; Yellow - Bldg. Permit; Pink - Contractor

Form #BP100-64 (Rev. 12/88)

MILPITAS FIRE DEPARTMENT
777 SOUTH MAIN STREET

PERMIT

Permit No.: HS92-1004
Date: 1/22/92
BY:

EXPIRATION DATE*: _____

Under the provisions of the Milpitas Municipal Code, this permit is issued to:

Facility Name: SUN MICROSYSTEMS **Facility Address:** 1355 CALIFORNIA CIRCLE

for the following purpose:

	Closure -Facility		Hazardous Material Storage (describe)		Tent
	Closure - Process (describe)		Hazardous Material Process (describe)		Public Assembly
X	Halon		Underground Tank Removal (describe)		Other Specify
	Hood & Duct		Underground Tank Installation (describe)		

INSTALL EXPANDED UNDERFLOOR HALON FIRE SUPPRESSION SYSTEM

Name(s) & phone number of Contractor(s)/Installer(s):

* THIS PERMIT SHALL CONTINUE UNTIL REVOKED OR UNTIL DATE OF EXPIRATION SHOWN ABOVE. IT SHALL NOT BE TRANSFERABLE AND ANY CHANGE IN USE, OCCUPANCY, OPERATION OR OWNERSHIP SHALL REQUIRE A NEW PERMIT.

APPROVALS	DATE APPROVED
Plans	1/22/92
Hazardous Material Permit Application Filed Yes: ___ No: ___	
Other Specify: _____	

SPECIAL CONDITIONS:

You are required to call the Bureau of Fire Prevention 24 hours in advance at 408-942-2386 to schedule an inspection appointment for the following inspections:

Inspection Activity	Date	By (Inspector)	Comments
FUNCTIONAL TEST	2/8/92	P/Eagle 1943	
HVAC SHUTDOWN			
DISCHARGE (LESS			
THAN 10 SEC., HOLD			
CONC. FOR 10 MIN.)			
ALARMS			

THIS PERMIT SHALL BE POSTED ON THE PREMISES IDENTIFIED ABOVE

This permit is issued on condition that applicant shall comply with all applicable provisions of the Milpitas Municipal Code. Violation of the provisions of this permit may be grounds for revocation of permit and assessment of penalties.

WHITE COPY: Permittee YELLOW COPY:Bureau Files PINK COPY: Construction Permit File

BF#100-72

MILPITAS FIRE DEPARTMENT

455 E. Calaveras Boulevard

Permit No. H90-003

PERMIT

Date 7/2/90

By [signature]

Under the provisions of the Milpitas Municipal Code Chapters 300 and 302, this permit is issued for the following purposes:

INSTALL 7 (INERACTIVE HALON TOTAL FLOOD (ROOM + UNDERFLOOR)
HALON SYSTEMS

on premises known as SUN MICROSYSTEMS

Address of Premises 1355 CALIFORNIA CIRCLE (BLDG 3) Phone

Name(s) of Contractor(s)/Installer(s) Phone:

C.A. SABATH (415) 463-0431

APPROVALS	Yes/No Required	Date Approved
2 Sets Complete Plans	✓	7/2/90
Hazardous Material Storage Permit		
Building Permit		
Other (s)		

SPECIAL CONDITIONS:

Inspection Activity	Date	By (Inspector)	Comments
FUNCTIONAL (SEE SEQ OF OPNS)	9-11-90	M. Wells 9612	
HVAC SHUTDOWN			
TOTAL DISCHARGE (7) IN LOSER.			
HOLD 5% 10 MIN.			
ALL ITEMS ON INSTALLER CHECKLIST			

Inspections shall be scheduled 24 hours in advance, call 942-2386.

THIS PERMIT MUST AT ALL TIMES BE KEPT POSTED ON THE PREMISES MENTIONED ABOVE.

This permit is issued on condition that applicant shall comply with all provisions of the Milpitas Municipal Code. Violation of the provisions of this permit may be grounds for revocation of permit and assessment of penalties.

WHITE COPY - Permittee YELLOW COPY - F. D. Files PINK COPY - Station Files HARD COPY - Job Site

C.A.
SABAH
& CO.

Protection Systems

HALON SYSTEM RETEST SYNOPSIS

SUN MICROSYSTEMS - BUILDING THREE
1355 CALIFORNIA CIRCLE
MILPITAS, CALIFORNIA

One Thursday September 6, 1990, we performed a discharge retest in the expansion of the computer room, at the above facility. This test was for verification of system sphere actuation and the reaching of a 5% design concentration. This retest was not required by the City of Milpitas Fire Department.

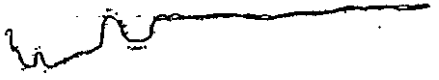
The only retest criteria, was the actuation of the spheres within the protected area, and witnessing that the desired concentration of 5% was achieved. At approximately 5:10 p.m., we activated a manual pull station within the protected area and discharged the four spheres protecting the area.

We located the sampling probes identically to our original test. Upon discharge of the system, we recorded the following concentrations for the various probes:

Probe Number	Initial Concentration	10 Minute Concentration
1	5.4%	7.2%
2	7.2%	6.4%
3	7.4%	5.0%

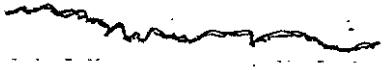
Upon review of the enclosed discharge test chart strips we decided to then run the test for a period of ten minutes. As shown by the strips, the desired concentration was reached and held for a minimum of ten minutes. The test was performed by Joe Hay and Mike Schaecher of C.A. Sabah.

SUN MICRO 3
COMP RM RETEST
9/6/90
PROBE #1
SUB FLOOR



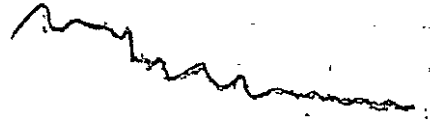
9/6/90

SUN MICRO 3
COMP. RM. RETEST
9/6/90
PROBE # 2 3'



9/6/90

SUN MICRO 3
COMP. RM. RETEST
9/6/90
PROB # 3 6'



9/6/90

C.A. SABAH & CO.
Protection Systems

DISCHARGE TEST SYNOPSIS

SUN MICROSYSTEMS - BUILDING THREE
1355 CALIFORNIA CIRCLE
MILPITAS, CALIFORNIA

One Saturday August 18, 1990, we performed a discharge functional and concentration test at the above facility. This test was for verification of system integrity and discharge concentrations.

Functional checkout of all new detectors was performed, with the system operating correctly and the corresponding LED's illuminating on the graphic display. All manual pull stations were activated with the corresponding shutdowns verified.

Upon discharge of the system, we recorded the following concentrations for the various probes:

Probe Number	Initial Concentration	10 Minute Concentration
1	4.8%	4.6%
2	4.8%	4.7%
3	7.2%	7.4%
4	10%	7.7%
5	7.7%	6.1%
6	9.4%	8.5%

Upon review of the enclosed discharge test chart strips we were concerned about the concentration reached in the new computer room. Upon examination of the discharge cylinders, we ascertained that cylinder number one did not discharge any Halon. The initiator was fired in this cylinder, but the test gas had leaked out of the container. Upon review of the design quantities of Halon 1301, this cylinder would have given us another 1-2% of additional concentration for the protected area.

We also experienced a problem on probe number 6, two minutes into the test. We then switched probe number 5 and probe number 6 to see if the meter was the problem or the actual probe. After switching the probes, we determined that the problem was a blocked probe at which time we entered the discharge zone and cleared the probe.

I have enclosed copies of the test charts, as well as the rough layout depicting the probe location. We do not feel that a retest of the system is necessary for the following reasons:

1. All charts show that the room is adequately sealed.
2. The resultant down time costs for the end user.
3. The environmental concerns regarding release of CFC's.
4. The additional cylinder will give the required concentration, while the actual test had sufficient amount for suppression.

The test was performed by Joe Hay and Mike Schaecher of C.A. Sabah, and witnessed by Eric Sitzenstatter of E.D.S. Associates. Any questions regarding this data can be directed to either of the above parties.

Sincerely,

C.A. SABAH & COMPANY

Michael Schaecher
Project Manager

MS:lp

Encl

FENWAL HALON 1301 FIRE SUPPRESSION SYSTEM

CONCENTRATION DATA SHEET

FENWAL ORDER NO.: _____ FENWAL SYSTEM NO.: _____

USER: SUN MICRO BLDG 3 DISTRIBUTOR: C.A. SABAH

LOCATION: MILPITAS, CA DISTRIBUTOR ORDER NO.: _____

APPLICATION: COMPUTER ROOM

LOCATION PROBE	CONC.	ELAPSED TIME*	LOCATION	CONC.	ELAPSED TIME*	LOCATION	CONC.	ELAPSED TIME*
#1 New Comp. Rm. High Probe		10 MIN						
#2 New Comp. Rm med Probe		10 MIN						
#3 New comp Rm SUBFLOOR		10 MIN						
#4 TAPE LIBR SUBFLOOR	7.7%	10 MIN						
#5 TAPE LIBR. High PROBE	6.1%	10 MIN						
#6 OFFICE High PROBE	8.5%	10 MIN						

*If Required

Comments _____

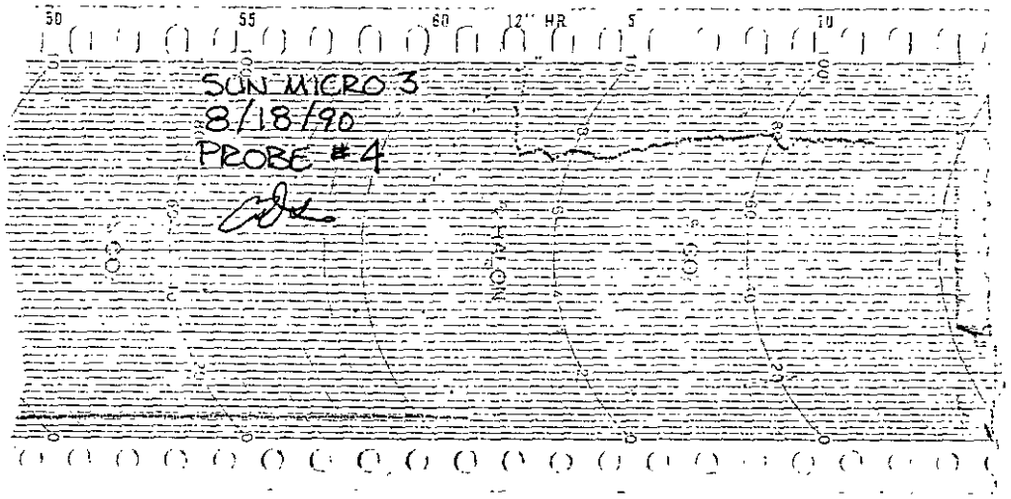
Tests Performed by JOE HAY Date 8/18/90

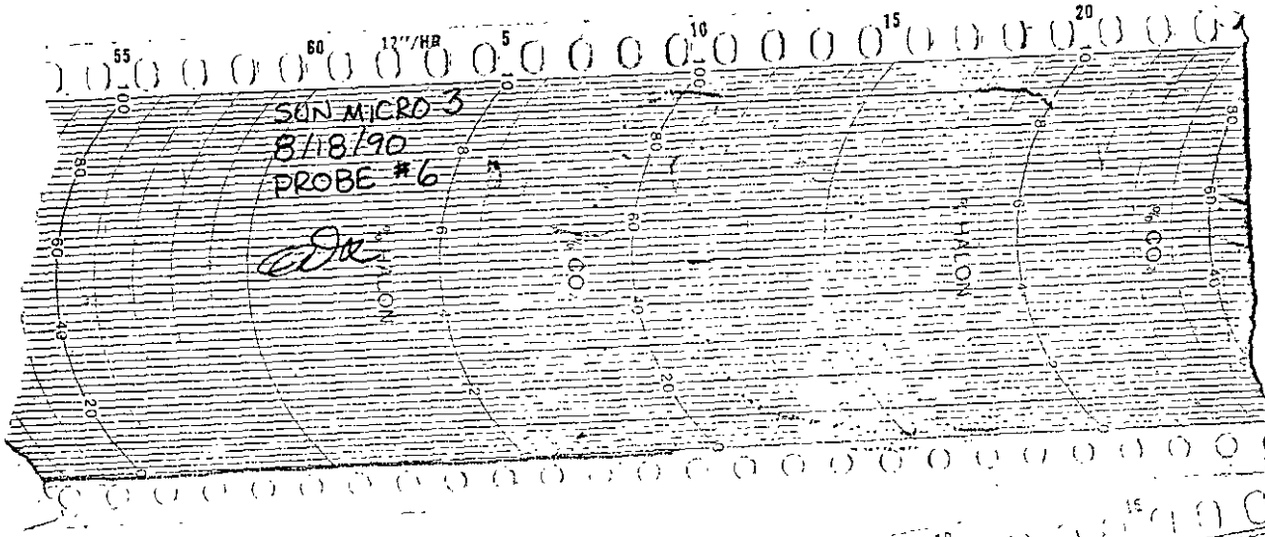
MIKE SCHAECHER

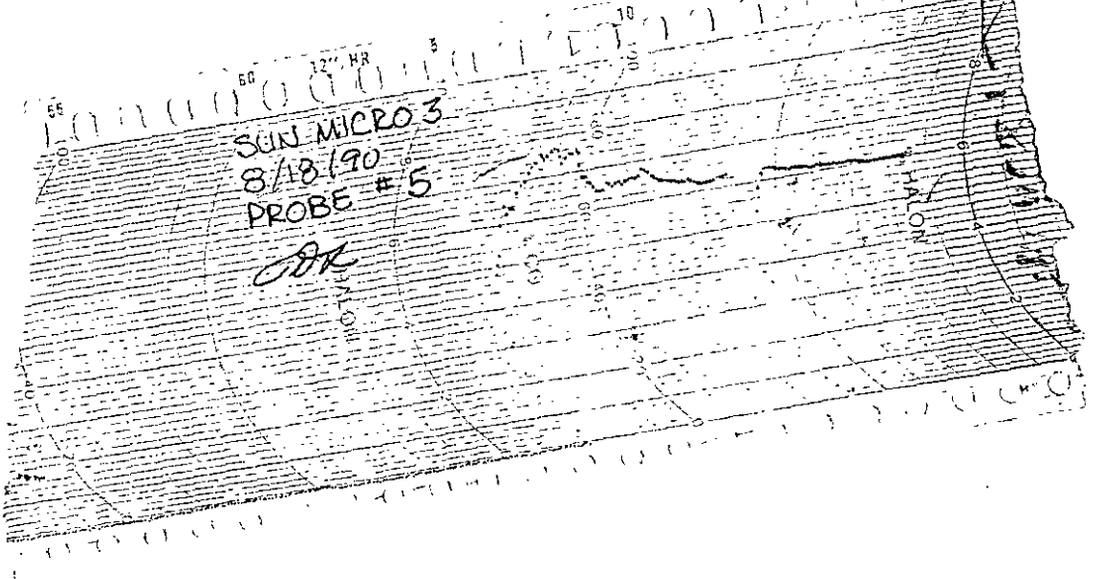
Tests Witnessed by _____

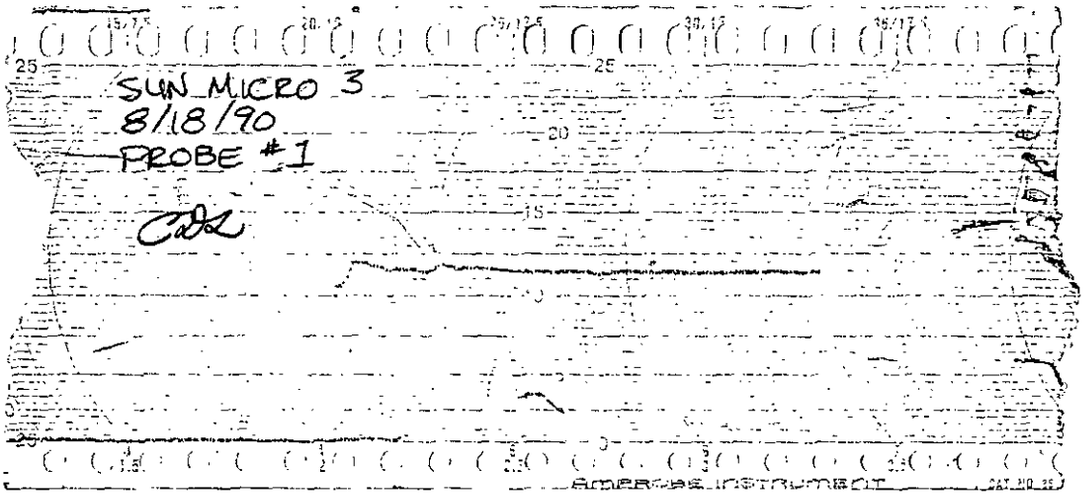
Customer Acceptance by _____ Date _____

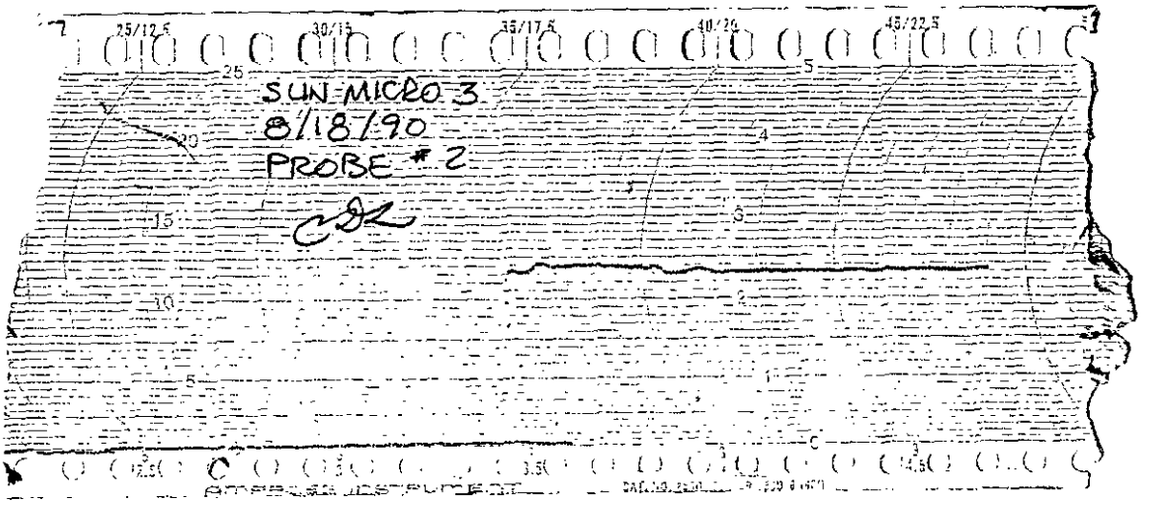
Title _____

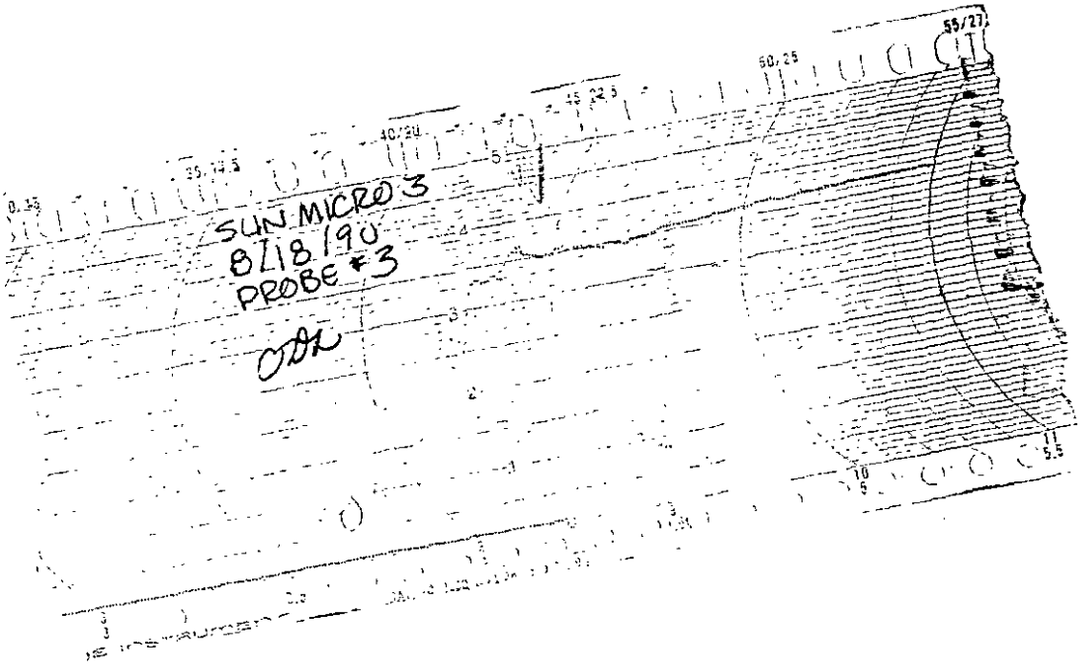

SUN MICRO 3
8/18/90
PROBE #4
HALON
CO

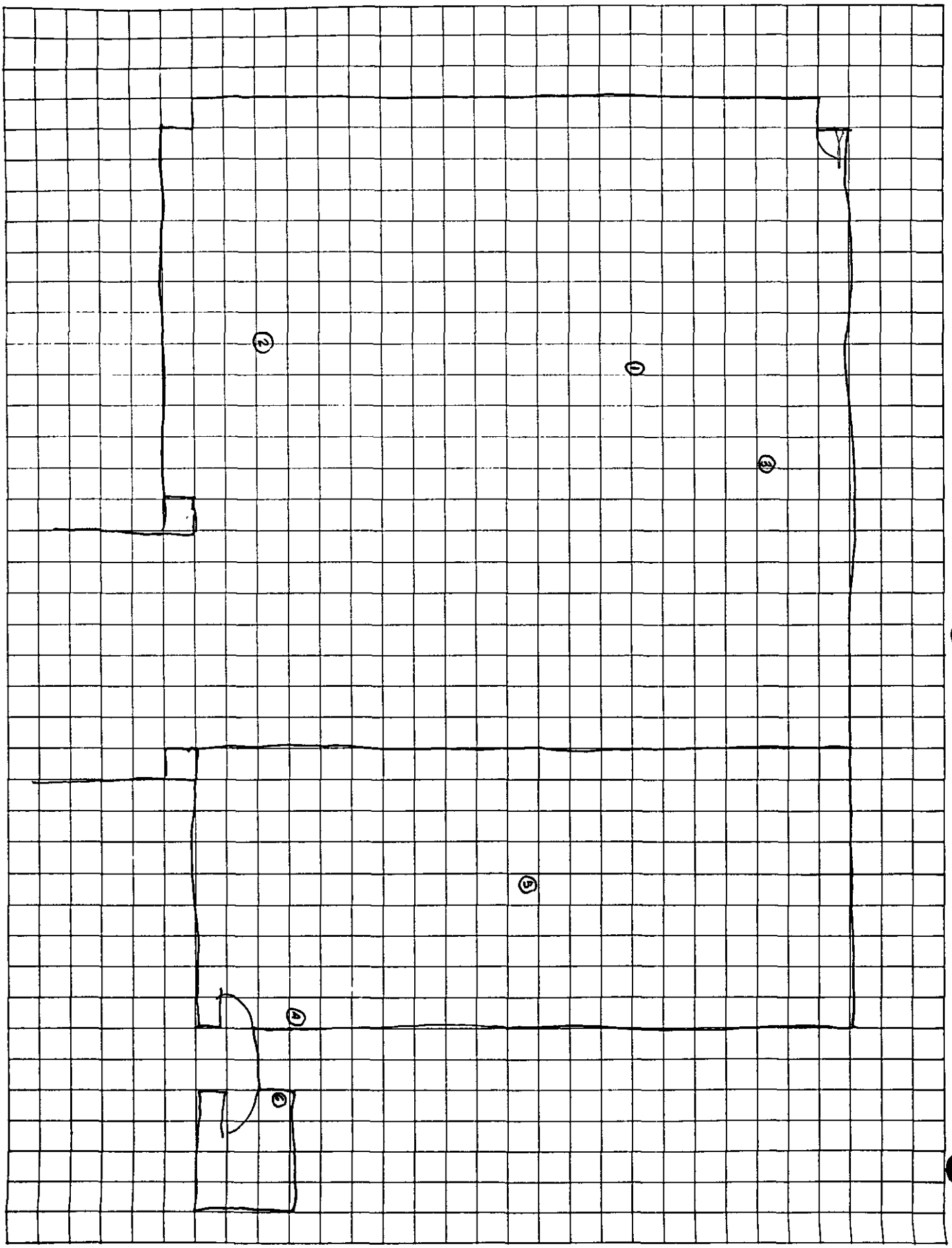

SUN MICRO 3
8/18/90
PROBE #6
HALON
CO


SUN MICRO 3
8/18/90
PROBE #5
HALON
CO


SUN MICRO 3
8/18/90
PROBE #1
CDL


SUN MICRO 3
8/18/90
PROBE #2
CDL


SUN MICRO 3
8/18/90
PROBE #3
CDL



FLOOR PLAN LAYOUT

C.A.
SABAH
& CO.
Protection Systems

RECEIVED
OCT 0 1 1990
MILPITAS FIRE DEPT.

September 26, 1990

Mr. Michael Wells
Captain
Bureau of Fire Prevention
777 S. Main Street
Milpitas, CA 95035

Dear Mr. Wells:

Enclosed please find the check list and test results for the Halon 1301 Fire Suppression System at Sun Micro Systems, 1355 California Circle, Milpitas, CA.

If you have any questions or comments, please feel free to call me.

Sincerely,

C.A. SABAH & CO., INC.

Raul Rodriguez

Raul Rodriguez
Project General Manager

jl

Enclosure

Sun micro systems 9/11/90

283

MC-392B
OCTOBER, 1981



FENWAL
HALON 1301 SYSTEM
CHECK LIST
AND
TEST PROCEDURE

THESE FORMS SHOULD BE USED FOR EVERY COMPLETED INSTALLATION AND CONCENTRATION TEST, IF APPLICABLE. UPON COMPLETION OF CHECK-OFF AND TEST, FILL FORMS OUT COMPLETELY. KEEP ORIGINAL IN YOUR FILES, SEND PHOTOCOPIES TO CUSTOMER AND FENWAL.

ATTN: SYSTEMS ENGINEERING MANAGER

FENWAL HALON 1301 FIRE SUPPRESSION SYSTEM INSTALLATION CHECK LIST

System No. _____ Location SUN MICRO (Company)

Area Being Protected COMPUTER ROOM ADDITION 1355 CALIFORNIA CIRCLE (Address)

Distributor C.A. SABAH

1. Mechanical

1.1 Are all agent storage containers properly located in accordance with an approved set of system drawings?

1.2 Are the containers and mounting brackets securely fastened in accordance with the Installation Manual?

1.3 Have the containers been checked for proper fill and pressure? Weights recorded?

SER. NO.	PRESSURE	WEIGHT	SER. NO.	PRESSURE	WEIGHT
69134	360	196			
69143	370	196			
69144	350	196			
69141	360	196			

SER. NO.	PRESSURE	WEIGHT	SER. NO.	PRESSURE	WEIGHT
69142	360	196			
69146	360	196			

1.4 Is there an adequate quantity of agent to produce the desired design concentration?

1.4.1 Has the actual room volume been checked against those indicated on the system drawings or in the system manual to determine this?

1.4.2 Has fan coastdown and damper closure time been taken into consideration?

1.4.3 On multi-zoned systems using ionization detectors, is there a possibility of agent migration between zones which would affect the design concentration and possibly cause other zones to go into the alarm condition?

1.4.4 If openings exist, will they be sealed permanently to preclude this possibility?

1.5 If a system discharge is required and Halon 122 is designated as the test agent, has it been determined that the containers are, in fact, filled with Halon 122 and that the proper amount of agent (82% of the required amount of Halon 1301) in the containers are filled with this quantity of test gas?

1.6 Has the piping distribution system been inspected to determine that it is in compliance with the system drawings, NFPA-12A and the hydraulic calculations indicated on the computer printout associated with each agent storage container/piping nozzle configuration involved?

1.7 Nozzle and pipe sizes must be in accordance with the system drawings. Reducing bushings must not be used in lieu of concentric reducers.

1.8 Are piping joints, discharge nozzles and piping supports securely fastened to prevent agent leakage and hazardous movement during discharge?

1.9 Has the piping distribution system been adequately cleaned and inspected (internally) to prevent the possibility of any oil or particulate matter that may soil the hazard area or affect agent distribution due to a reduction in the effective nozzle orifice area?

1.10 Are the ceiling tiles around the discharge nozzles adequately secured to withstand high velocity discharge and subsequent migration of agent to an above ceiling plenum?

1.11 Are the discharge nozzles oriented in such a manner that optimum agent dispersal could be affected by equipment location or openings in the protected area?

1.11.1 Visual inspection of the Bete type nozzles will show that where the primary orifice merges into the helix, the mass of metal is greater on one side. When installed near ceilings, the orientation should be controlled to assure that this "shadow area" is toward the ceiling. This will direct heavier distribution outward and downward and reduce the force of agent upwards where tiles might be dislodged.

1.12 If nozzle deflectors are installed, have they been positioned to obtain maximum benefit of these devices?

1.13 Are the discharge nozzles, piping and mounting brackets installed in such a manner that they will not result in potential injury to personnel?

1.13.1 Agent should not be discharged at head height or below, where personnel could be within direct line of discharge.

1.13.2 Agent should not directly impinge on any loose objects or shelves, cabinet tops or similar surfaces where loose objects could be present and become missiles.

1.14 Have the detection devices been checked for proper type and location as specified on the system drawings?

1.15 Are the detectors located near obstructions or air ventilation/cooling equipment which would appreciably affect their response characteristics?

1.15.1 Where applicable, have air changes in the protected area(s) been taken into consideration? Refer to NFPA-72 and the manufacturer's recommendations for guidelines concerning this area.

1.16 Have the detectors been installed in a neat, professional manner and in accordance with technical data regarding their installation?

1.16.1 If detectors are employed which require ground isolation, are the plastic isolation plates and nylon screws installed in all instances?

1.17 If manual pull stations are used, are they properly installed, readily accessible and accurately identified?

1.18 On multi-zoned systems, are the manual pull stations clearly identified as to which zone of suppression they will affect?

1.19 If the system has a main/reserve capability, are the main reserve switches properly installed, readily accessible and clearly identified?

1.20 On systems where abort switches are installed, are they of the dead-man type requiring constant manual pressure, properly installed, readily accessible within the hazard area and clearly identified? Toggle type switches must not be used for this type of application.

1.20.1 Manual pull stations must override abort switches.

1.21 Has the control unit been properly installed and is it readily accessible?

1.22 On multi-zoned systems, are all zones clearly identified?

2. Electrical

2.1 Is all system wiring properly installed in conduit, EMT or shielded cable?

2.2 Is the wiring in compliance with local codes, insuring agencies, and in conformance with the system drawings?

2.2.1 All field wiring to the detection, initiator and manual pull stations for each zone must be isolated and independently shielded from all other wiring.

☒ 2.3 If shielded conductors are used exclusive of conduit or EMT, is there a possibility of mechanical damage to the wiring which would compromise the system? In particular, a careful check of subfloor wiring should be made.

☒ 2.4 Has a point-to-point check for circuit continuity been conducted?

☐ 2.5 Has all field circuitry been meggered for a ground fault or short circuit condition?

☒ 2.5.1 When meggering field circuitry, all electronic detection components such as ionization, photoelectric, ultraviolet detectors, etc., **must** be removed and jumpers properly installed for this check to prevent the possibility of damage to components contained within these devices. Replace detectors after meggering.

☒ 2.6 Has it been determined that no branch circuits to the detection, manual pull stations or initiator circuits exist?

☒ 2.7 Is the power source supplying the control unit from a separate, uninterrupted source?

☒ 2.8 Have provisions been made for an emergency power supply to the control unit in the event of a loss of primary power?

☒ 2.9 Have all ancillary functions such as alarm devices, remote annunciation, air handling shutdown (where applicable), power cutoff, etc., been checked for proper operation and in accordance with system requirements and design specifications?

☒ 2.9.1 If possible, all air handling and power cutoff controls once interrupted should be of the type that require manual restart to restore power to these devices.

☒ 2.10 Has a "worst case" condition been taken into consideration (exercising good engineering judgement) to determine that the power capability of the control unit will not be exceeded? e.g. One would not expect all four zones in a four zone system to go into simultaneous alarm.

☒ 2.11 Has the battery standby capability of the control unit (where applicable) been properly calculated to determine if it will meet design specifications?

☐ 2.12 Will silencing of alarms (if desirable) affect other ancillary functions such as air handling or power off?

3. Functional Tests (Pre-Flight)

☒ 3.1 If the system is connected to the local fire department, have the local authorities been notified that a system test is to be conducted?

☒ 3.1.1 Have all concerned personnel at the customer's facility been notified that a test is to be conducted and instructed as to the sequence of operations?

☐ 3.2 **If Modular Systems (3.2.1-3.2.4)**

☒ 3.2.1 Has a jumper wire been placed in each initiator cable assembly in lieu of the initiator?

☒ 3.2.2 Has a 24 VDC lamp been installed in the initiator circuit in lieu of the initiator in electro-explosively activated system?

☒ 3.2.3 Has the initiator circuit been checked for continuity?

☒ 3.2.4 Has a jumper wire been installed in lieu of the initiator circuit balancing resistor?

☒ 3.2 **If Central Storage. Refer to MC 394**

☒ 3.2.1 Has pneumatic tubing at each cylinder's Pilot Release Valve been disconnected?

☒ 3.2.2 Have cap plugs been installed on Pilot Release Valve Inputs?

☐ 3.2.3 Have 0-600 psi pressure gauges with pressure snubbers been installed on pneumatic tubing outlets?

☐ 3.3 Has each detector been checked appropriately for proper response?

☐ 3.4 Has polarity been observed on all polarized alarm devices and auxiliary relays?

☐ 3.5 Have all end-of-line resistors been installed across the detection and alarm bell circuits where required?

☐ 3.6 When activating a single or cross zoned detector circuit, does it produce the desired results in accordance with the system drawings?

☐ 3.7 Have all the manual pull stations been checked for proper response?

☐ 3.8 Have all design requirements and system specifications been achieved?

4. Placing the System on Stream

☐ 4.1 Have all detectors been reset?

☐ 4.2 Have all manual pull stations been restored and safety wired or telltales reset?

☐ 4.3 Has all power to the system control unit including its internal battery supply, been interrupted?

☐ 4.4 **If Modular System (4.4.1-4.4.6). Refer to MC-415.**

☐ 4.4.1 Have all jumpers in the initiator cable assemblies been removed?

☐ 4.4.2 Have all initiators been properly installed observing the safety precautions set forth in MC-313?

☐ 4.4.3 Are all cable assemblies properly safety wired?

☐ 4.4.4 Has the initiator circuit been checked for continuity and meggered for grounds using the proper test instruments?

☐ 4.4.5 Have the initiator leads been properly installed?

☐ 4.4.6 Has the proper value initiator circuit balancing resistor been installed?

☐ 4.4 **If Central Storage (4.4.1-4.4.3). Refer to MC-394.**

☐ 4.4.1 Have pressure gauges been removed from pneumatic tubing outlets? Have lines been bled?

☐ 4.4.2 Has pneumatic tubing been reconnected to all Pilot Release Valves?

☐ 4.4.3 Have nitrogen cylinders in Halon Release Assemblies been recharged and reinstalled?

☐ 4.5 Is the system control unit in a normal operating condition free from all fault indicators?

☐ 4.6 Has the system control unit been properly secured and locked where applicable?

☐ 4.7 Has the customer been properly instructed in the use and operation of the system?

☐ 4.8 Has the area been policed and cleaned of any debris that may have resulted during system installation?

☐ 4.9 Has the overall installation been accomplished in a neat professional manner?

☐ 4.10 Has an emergency telephone number been left with the customer?

☐ 4.11 Has a service contract been proposed?

COMMENTS _____

_____

_____

Tests Performed by MIKE SCHAECHER, PROJECT MANAGER

Tests Witnessed by M. Miller 19K2 Date 9-11-90

Customer Acceptance by _____ Date _____

Title _____

HALON 1301 SYSTEMS DISCHARGE TESTS

GENERAL

Many authorities having jurisdiction require that a full scale discharge/concentration test be conducted before a system will be accepted by that authority. Fenwal also believes that these tests are important and should be recommended as part of a job specification. However, since these tests are expensive and add to the cost of a system, everything possible should be done to ensure success on the first try. This can be best achieved by careful planning and strict adherence to established and proven practices and procedures outlined below.

PREPARATION

Before conducting an actual system test, read and perform all the appropriate steps in the "Halon 1301 Fire Suppression System Check List." Disregard of the steps in this "pre-flight" has resulted in failures to pass the test.

A Test Evaluation Team consisting of the User, Distributor, Installer (if other than the Distributor), Manufacturer and Authorities Having Jurisdiction should meet before the test to establish ground rules and the method of conducting the test.

EQUIPMENT

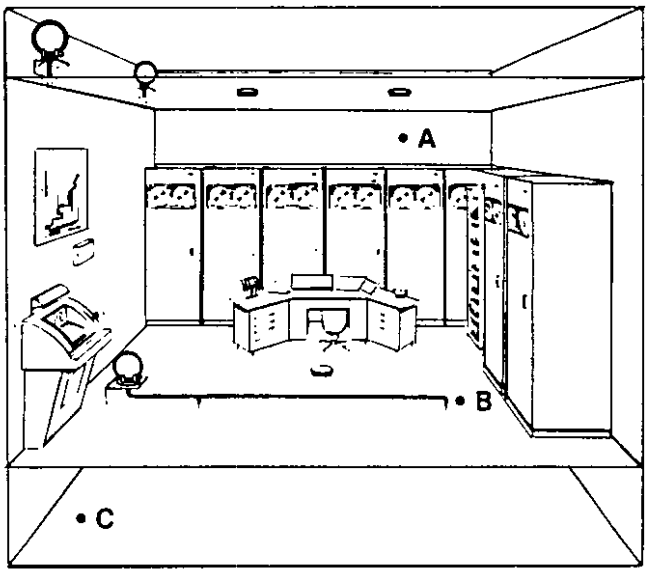
The following items of equipment will be required for the test:

1. Thermal Conductivity Field Calibrated Analyzer capable of providing both direct readout and printout of a minimum of three points. Forex provides a suitable unit for this test. Multiple recorders may be required for large installations.
2. Stopwatch having a full sweep of not more than 30 seconds and a total span of not less than 15 minutes.
3. Self-Contained Breathing Apparatus for each individual who will be in the room or entering the room shortly after discharge. This is mandatory where Halon 122 is the test gas and may be required where Halon 1301 is used.

   NOTE: In one case, a system designed for 6% concentration malfunctioned and discharged both main and reserve supplies. Necessary precautions should be taken to avoid hazardous conditions.
4. Portable Exhaust Fan(s), if needed, for post test ventilation.

PROCEDURE

1. Go over and check list on pages 2 and 3 again.
2. The total weight of agent can be determined from accurately labeled agent storage containers that have been charged at a listed or approved fill station. Occasionally, the authority having jurisdiction may require that agent quantity be checked on site immediately before the test. This should be determined during the initial discussions by the Test Evaluation Team so you will not be caught by surprise at the last minute.
3. Sample locations for the analyzer tubes should be as follows: one at one foot above the center of the equipment or hazard being protected; one at two feet above floor level at whatever point is most remote from a discharge nozzle; one at an intermediate point. Avoid placing a sampling tube at ceiling height since you will not hold at an acceptable level due to the natural setting of the heavier-than-air Halon molecules. Where an underfloor area is involved such as beneath the access flooring in a computer room, a sampling tube should be located at approximately mid-height of the underfloor area at whatever point is most remote from a discharge nozzle. When the underfloor concentration is measured the intermediate height measurement for the room can be waived.



4. The Halon analyzer should be field calibrated and adjusted as required.
5. If the system is linked to an alarm circuit providing local and/or remote fire call, the appropriate parties should be notified and advised prior to and at the completion of the test.
6. Actuate the system for discharge. Discharge time will be measured from the initial appearance of liquid at the nozzle until discharge becomes predominantly gaseous.
7. Concentration will be recorded for the time period which the authority having jurisdiction has determined to be appropriate for that particular occupancy.

   CAUTION
   THERE SHALL BE NO SMOKING IN OR AROUND THE TEST AREA AFTER THE TESTS. RESIDUAL AMOUNTS OF HALON DRAWN INTO THE LUNGS THROUGH GLOWING TOBACCO COULD RESULT IN SERIOUS INJURY.
8. Once the requirement for hold time has been completed, ventilation to exhaust the Halon from the area should be started.
9. Operation of all ancillary system functions (horns, lights, local and/or remote alarms, magnetic releases, etc.) should be confirmed.

DOCUMENTATION

The results of the tests should be recorded in report form for each of the members of the test team. This report should include, but not necessarily be limited to, the following:

1. A sketch of the protected area showing the location of sampling points in plan and elevation. Use page 6 of this publication.
2. Measured time of liquid discharge. See page 5.
3. Copies of clearly identified analyzer chart records showing Halon concentrations. This must include the analyzer calibration results. Use page 7 for this information.
4. Sign offs by each member of the test team.

FENWAL HALON 1301 FIRE SUPPRESSION SYSTEM

CONCENTRATION DATA SHEET

FENWAL ORDER NO.: _____ FENWAL SYSTEM NO.: _____

USER: SUN MICRO BLDG 3 DISTRIBUTOR: C.A. SABAH

LOCATION: MILPITAS, CA DISTRIBUTOR ORDER NO.: _____

APPLICATION: COMPUTER ROOM

LOCATION PROBE	CONC.	ELAPSED TIME*	LOCATION	CONC.	ELAPSED TIME*	LOCATION	CONC.	ELAPSED TIME*
#1 New Comp. Rm. High Probe	5.0	10 MIN						
#2 New Comp. Rm med Probe	6.4	10 MIN						
#3 New Comp. Rm SUBFLOOR	7.2	10 MIN						
#4 TAPE LIBR SUBFLOOR	7.7%	10 MIN						
#5 TAPE LIBR. High PROBE	6.1%	10 MIN						
#6 OFFICE High PROBE	8.5%	10 MIN						

*If Required

Comments _____

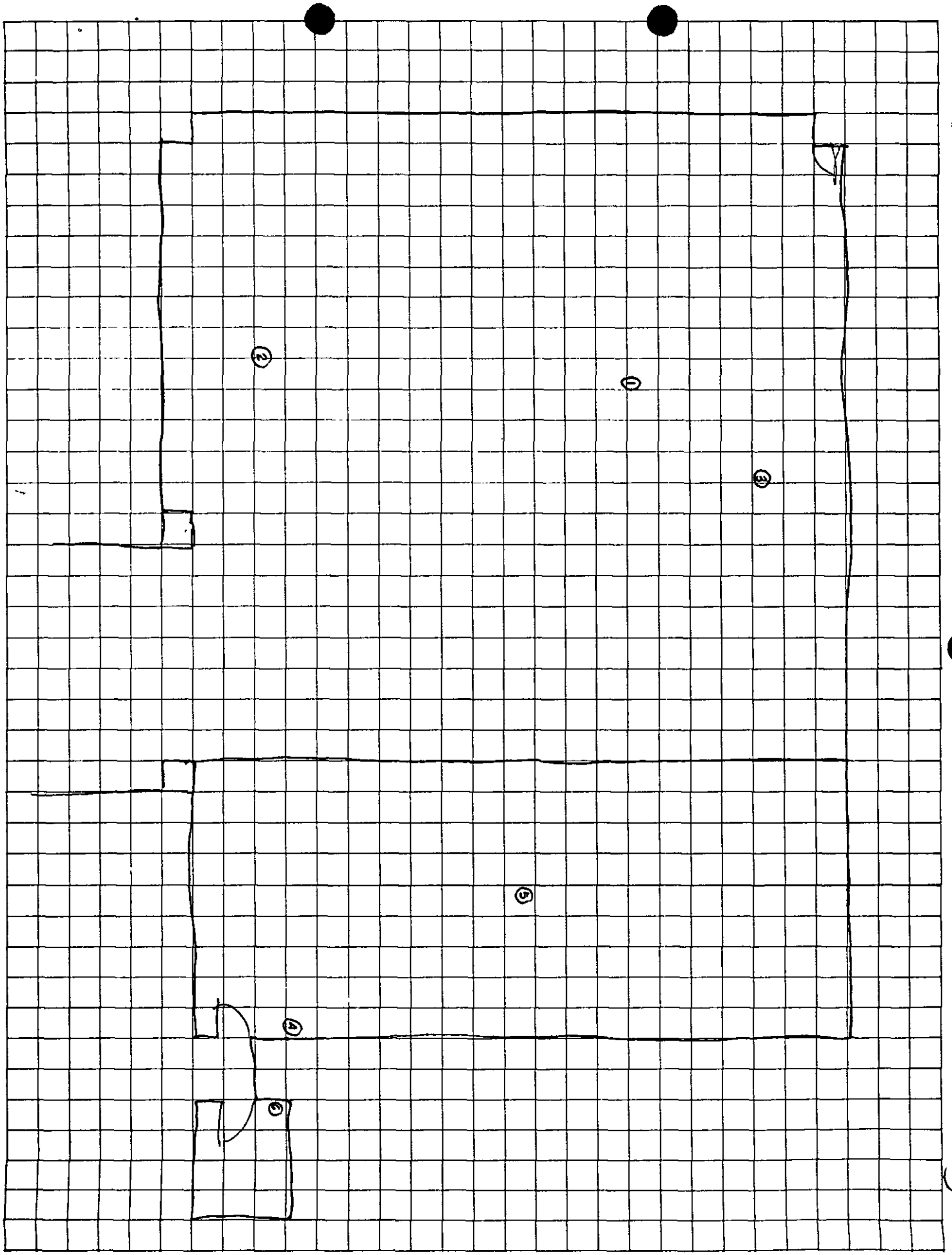
Tests Performed by JOE HAY Date 8/18/90

MIKE SCHAECHER

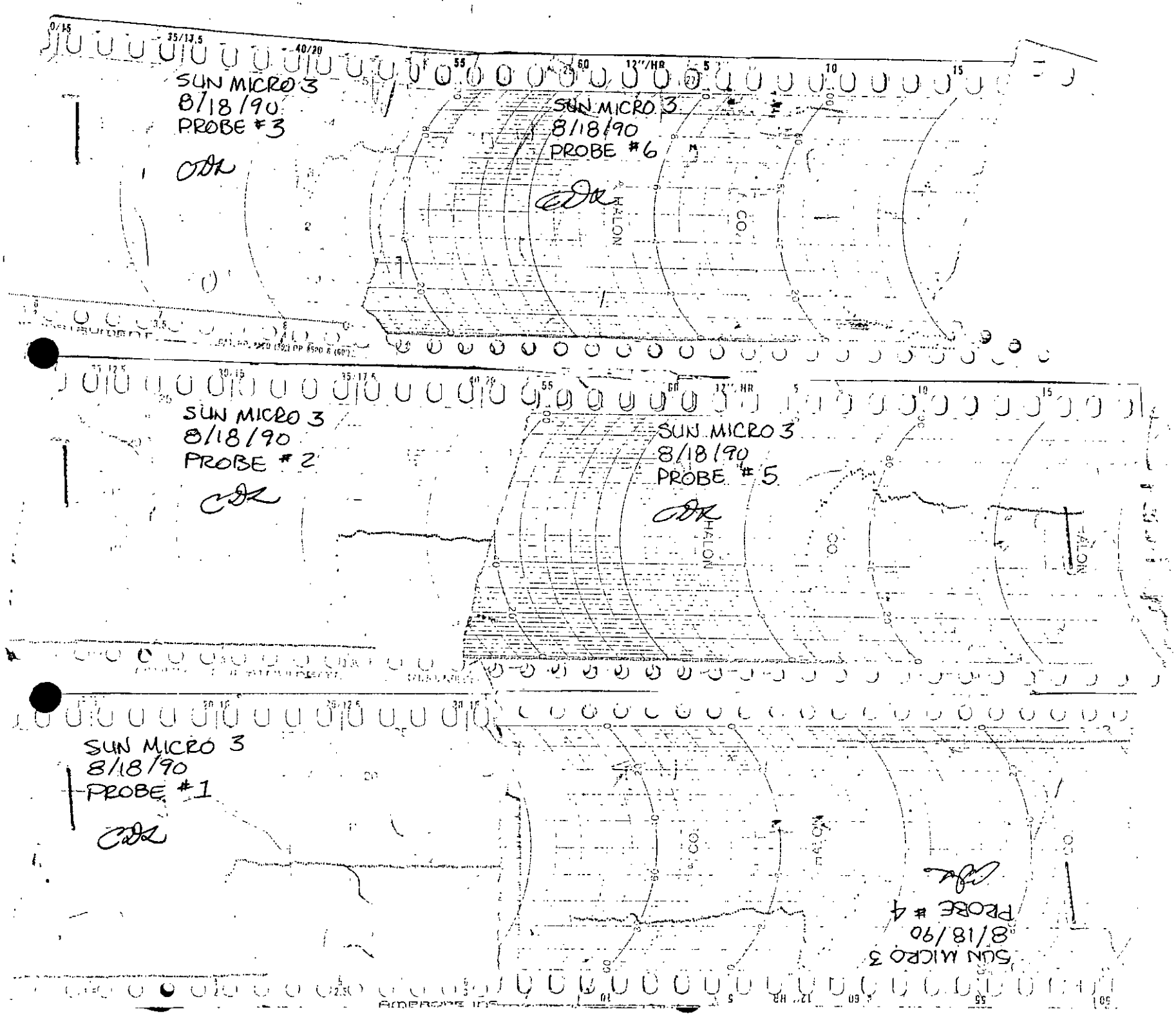
Tests Witnessed by M. Wilk 19K2

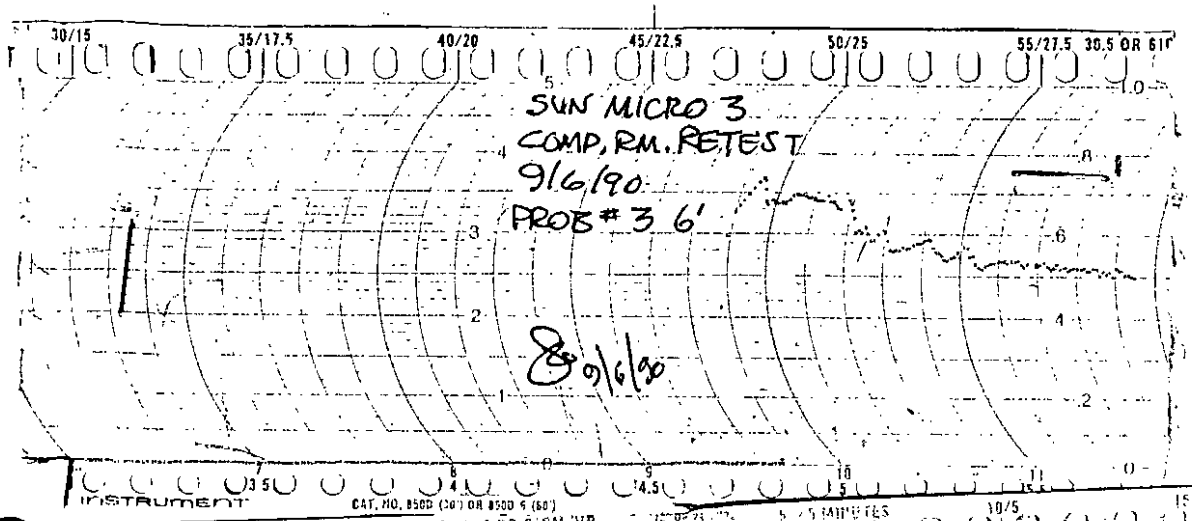
Customer Acceptance by _____ Date _____

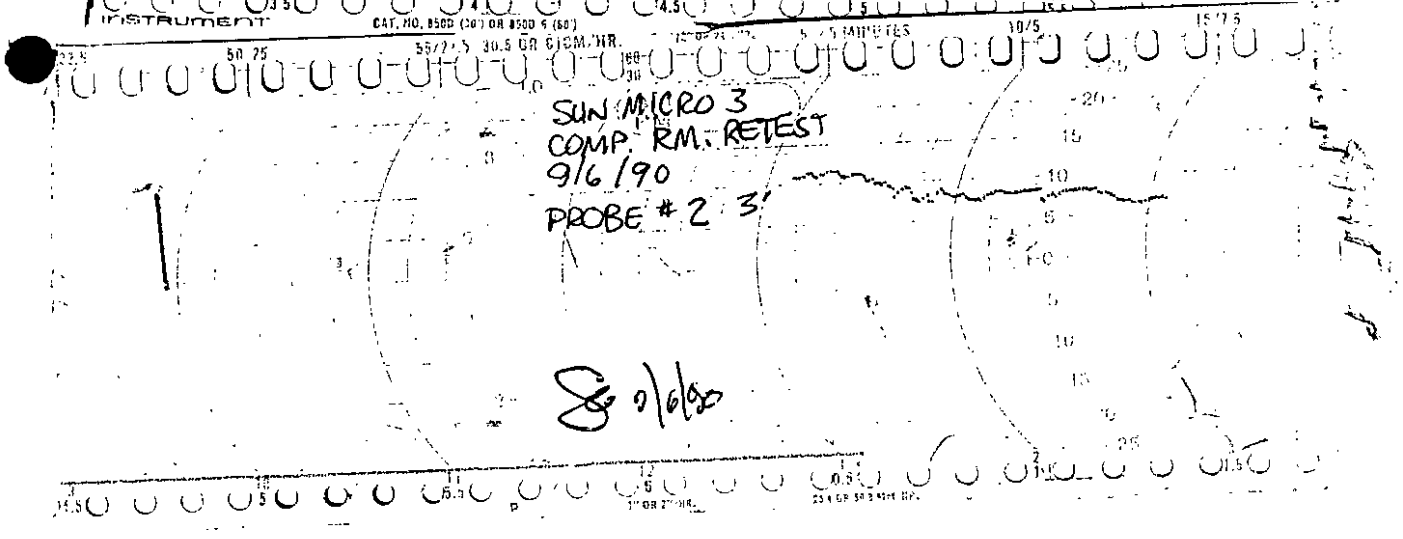
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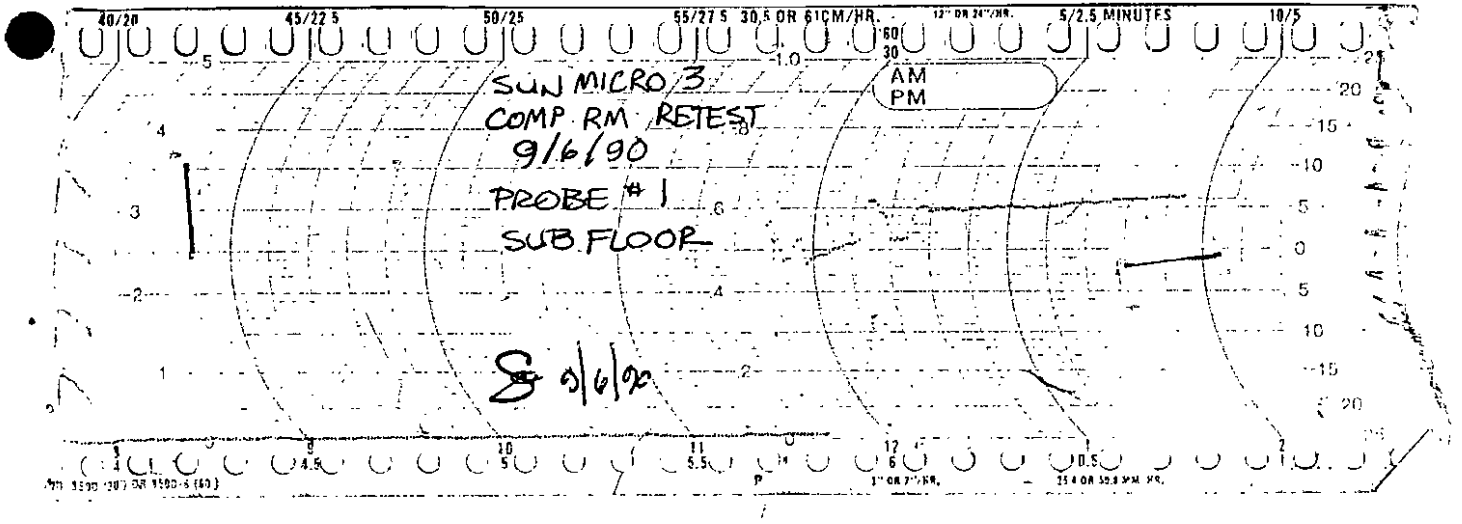


FLOOR PLAN LAYOUT


SUN MICRO 3
8/18/90
PROBE #3
SUN MICRO 3
8/18/90
PROBE #6
SUN MICRO 3
8/18/90
PROBE #2
SUN MICRO 3
8/18/90
PROBE #5
SUN MICRO 3
8/18/90
PROBE #1
SUN MICRO 3
8/18/90
PROBE #4
HALON
CO


SUN MICRO 3
COMP, RM. RETEST
9/6/90
PROBE # 3 6'
9/6/90


SUN MICRO 3
COMP. RM. RETEST
9/6/90
PROBE # 2 3'
9/6/90


SUN MICRO 3
COMP RM RETEST
9/6/90
PROBE # 1
SUB FLOOR
9/6/90
AM
PM

3669127



FENWAL INCORPORATED

Division of Kidde, Inc.

KIDDE

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(617) 881-2000

MC 392

PRINTED IN U.S.A.

CORNERSTONE EARTH GROUP

APPENDIX G – BORING LOGS AND SOIL VAPOR SAMPLING LOGS

BORING NUMBER EB-1

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 **DATE COMPLETED** 7/2/19
GROUND ELEVATION _____ **BORING DEPTH** 5 ft.
DRILLING CONTRACTOR Penecore
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Direct Push
GROUND WATER LEVELS:
LOGGED BY NKM
▽ **AT TIME OF DRILLING** Not Encountered
NOTES _____
▼ **AT END OF DRILLING** Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		Portland cement concrete over 6 inches coarse subangular gravel			x		0		
			Poorly Graded Sand with Gravel (SP) moist, brownish orange, fine sand, well graded subrounded gravel				100	0		
			Silt (ML) moist, dark brown, low plasticity					0		
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

BORING NUMBER EB-2

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 **DATE COMPLETED** 7/2/19
GROUND ELEVATION _____ **BORING DEPTH** 5 ft.
DRILLING CONTRACTOR Penecore
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Direct Push
GROUND WATER LEVELS:
LOGGED BY NKM
▽ **AT TIME OF DRILLING** Not Encountered
NOTES _____
▼ **AT END OF DRILLING** Not Encountered

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		coarse subangular gravel							
			Poorly Graded Sand (SP) moist, brownish orange, some well graded subrounded gravel			x		0		
							100	0		
			Silt (ML) moist, dark brown, low plasticity					0		
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

BORING NUMBER EB-3

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 **DATE COMPLETED** 7/2/19
GROUND ELEVATION _____ **BORING DEPTH** 5 ft.
DRILLING CONTRACTOR Penecore **LATITUDE** _____ **LONGITUDE** _____
DRILLING METHOD Direct Push **GROUND WATER LEVELS:**
LOGGED BY NKM ▽ **AT TIME OF DRILLING** Not Encountered
NOTES _____ ▼ **AT END OF DRILLING** Not Encountered

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		coarse subangular gravel							
			Lean Clay (CL) moist, brown			x		0		
			Poorly Graded Sand with Gravel (SP) moist, orange-brown, medium to fine sand, fine gravel				100	0		
			Poorly Graded Gravel (GP) coarse gravel							
			Clayey Sand with Gravel (SC) moist, orange-brown, medium to fine sand, fine gravel					0		
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									

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BORING NUMBER EB-4

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 **DATE COMPLETED** 7/2/19
GROUND ELEVATION _____ **BORING DEPTH** 5 ft.
DRILLING CONTRACTOR Penecore
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Direct Push
GROUND WATER LEVELS:
LOGGED BY NKM
▽ **AT TIME OF DRILLING** Not Encountered
NOTES _____
▼ **AT END OF DRILLING** Not Encountered

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		coarse subangular gravel							
			Sandy Lean Clay (CL) moist, gray, fine sand			x		0		
			Clayey Sand with Gravel (SC) moist, orange-brown, fine sand, fine subrounded gravel				100	0		
			Silt (ML) dark brown, low plasticity					0		
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									

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BORING NUMBER EB-5

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/3/19 **DATE COMPLETED** 7/3/19
GROUND ELEVATION _____ **BORING DEPTH** 15 ft.
DRILLING CONTRACTOR Penecore
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Direct Push
GROUND WATER LEVELS:
LOGGED BY NKM
▽ **AT TIME OF DRILLING** 8 ft.
NOTES _____
▼ **AT END OF DRILLING** Not Encountered

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		6 inches asphalt concrete over aggregate base			x				
			Lean Clay with Sand and Gravel (CL) moist, gray, fine sand, coarse subangular gravel				87	0		
	5		**Lean Clay with Sand (CL)** moist, brown, fine sand				78	0		
	10		**Clayey Sand (SC)** wet, brown			x	33	0		
	15		Bottom of Boring at 15.0 feet.							
	20									

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BORING NUMBER EB-6

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/2/19 **DATE COMPLETED** 7/2/19
GROUND ELEVATION _____ **BORING DEPTH** 18 ft.
DRILLING CONTRACTOR Penecore
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Direct Push
GROUND WATER LEVELS:
LOGGED BY NKM
AT TIME OF DRILLING 11.5 ft.
NOTES _____
AT END OF DRILLING 13.5 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		2 inches asphalt concrete over 3 inches aggregate base			x		0		
			Poorly Graded Sand with Gravel (SP) moist, brown, fine sand, fine subrounded gravel							
			Lean Clay (CL) moist, dark brown				73	0		
								0		
	5		**Sandy Lean Clay (CL)** moist, brown, fine sand							
			Lean Clay (CL) moist, brown				100	0		
	10		becomes wet at 11.5'							
							100	0		
	15					x				
							100	0		
			Bottom of Boring at 18.0 feet.							
	20									

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BORING NUMBER EB-7

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/3/19 **DATE COMPLETED** 7/3/19
GROUND ELEVATION _____ **BORING DEPTH** 18 ft.
DRILLING CONTRACTOR Penecore **LATITUDE** _____ **LONGITUDE** _____
DRILLING METHOD Direct Push **GROUND WATER LEVELS:**
LOGGED BY NKM **AT TIME OF DRILLING** Not Encountered
NOTES _____ **AT END OF DRILLING** Not Encountered

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		3 inches Portland cement concrete over 6 inches aggregate base			x				
			Fat Clay (CH) moist, dark brown							
			Poorly Graded Sand (SP) medium dense, moist, brown				95	0		
			becomes wet at 3.5'							
	5		**Silty Clay (CL-ML)** wet, brown							
			becomes moist at 7'				72	0		
	10		**Lean Clay with Sand (CL)** moist, brown and gray mottled, coarse sand							
							100	0		
	15					x				
			Poorly Graded Sand (SP) moist, brown				78	0		
			Lean Clay (CL) moist, orange and gray mottled							
			Bottom of Boring at 18.0 feet.							
	20									

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BORING NUMBER EB-8

CORNERSTONE EARTH GROUP

PROJECT NAME 1355 California Circle
PROJECT NUMBER 648-19-1
PROJECT LOCATION Milpitas, CA

DATE STARTED 7/3/19 **DATE COMPLETED** 7/3/19
GROUND ELEVATION _____ **BORING DEPTH** 18 ft.
DRILLING CONTRACTOR Penecore
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Direct Push
GROUND WATER LEVELS:
LOGGED BY NKM
▽ **AT TIME OF DRILLING** Not Encountered
NOTES _____
▼ **AT END OF DRILLING** Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		asphalt concrete over 6 inches aggregate base							
			Sandy Lean Clay (CL) moist, brown							
			Lean Clay with Gravel (CL) moist, orange and brown mottled, coarse subrounded gravel				92	0		
	5									
							35	0		
	10		**Fat Clay (CH)** moist, brown							
							100	0		
			Lean Clay (CL) moist, grayish brown							
	15					x				
			Bottom of Boring at 18.0 feet.							
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 7/9/19 12:11 - P:\DRAFTING\GINT FILES\648-19-1 1355 CALIFORNIA CIRCLE.GPJ

Soil Vapor/Sub-Slab Sampling Data Sheet

Project Number: CEG-180
Client: _____
Date: 7-2-19
Facility: _____
Sampler: Ross Tinline
Address: 1355 California Circle, Milpitas.
Weather: Sunny - Hot
Note: All vacuum (Vac) readings in "Hg unless noted
648 ↘ 19-1

Location: SV-1
Pressure Differentials: sub-slab/indoor: indoor/outdoor:

Purge Calculation & Target Volume: Point set @ 10AM.
1 foot sand = SV-STX BLV = 1' x 280 mL/ft = 280 mL
6" dry bentonite = DBV = DBT x BLV = 0.5 x 350 mL/ft = 175 mL
6' tubing including manifold = TV = TLXTLV = 6x6 = 36 mL
∴ 3 pore volumes = 1473 mL or reduction of 7.36" Hg in 6L purge can.

	Start Time	Initial Vac	End Time	Final Vac	Back Vac	Notes: (Passed / completed / purge volume removed)
Vac Test	11:45	22.23	12:00	22.26		Held tight
Purge	12:00	30	12:08	23.6	-0.14	Completed.
Sampling	12:09	30	12:15	4.0	See below	

Measurements during sampling - Drops IPA in Shroud = 10

Time	1210	1211	1212	1213	1214	1215	
Vac	25	20	16	11	8	4.0	END
PID ppmv	0.8	2.0	4.1	5.8	8.1	7.6	
Back Vac	0.13	0.13	0.13	0.12	0.12	0.12	

Notes: or additional measurements

Location: SV-2
Pressure Differentials: sub-slab/indoor: indoor/outdoor:

Purge Calculation & Target Volume: Purge as above as reduction of 7.36" Hg in 6L purge can.

	Start Time	Initial Vac	End Time	Final Vac	Back Vac	Notes: (Passed / completed / purge volume removed)
Vac Test	12:26	23.99	12:36	24.00		Held tight
Purge	12:36	23.6	12:46	16.24	0.86	Completed
Sampling	12:47	30	12:54	3.0	See below	

Measurements during sampling - Drops IPA in Shroud = 10

Time	1248	1249	1250	1251	1252	1253	1254	END
Vac	25	22	17.5	14	10	6.5	3.0	
PID ppmv	0.8	1.0	2.7	3.4	4.5	6.4	8.6	
Back Vac	0.85		0.84		0.75		0.70	

Notes: or additional measurements

SVC Environmental, Inc.
rosst@svcenv.com

Soil Vapor/Sub-Slab Sampling Data Sheet

Client: _____
Facility: _____
Address: 1355 California Circle, Milpitas

Project Number: _____
Date: 7-2-19 & 7-3-19
Sampler: Ross Tinline
Weather: _____

Location: SV-3

Note: All vacuum (Vac) readings in "Hg

Purge Calculation & Target Volume: Purge as previous or reduction of 7.36" Hg

	Start Time	Initial Vac	End Time	Final Vac	Back Vac	Notes: (Passed / completed / purge volume removed)
Vac Test	13:05	21.79	13:17	21.99		Held tight & increased due to T°C
Purge	13:18	16.2	13:31	8.6	0.22	Completed
Sampling	13:32	29	13:38	4.0	See below	

Measurements during sampling - Drops IPA in Shroud = 10

Time	1333	1334	1335	1336	1337	1338	END
Vac	25	20	16	12	8	4	
PID ppmv	0.5	1.0	2.1	2.2	3.0	3.3	
Back Vac		0.23		0.22			

Notes: or additional measurements

Location: SV-4

Purge Calculation & Target Volume: Purge as previous; or 7.36" Hg in 6L purge can.

	Start Time	Initial Vac	End Time	Final Vac	Back Vac	Notes: (Passed / completed / purge volume removed)
Vac Test	13:55	24.39	14:05	24.38		Held tight
Purge	14:05	20	14:17	13.64	5.11 max	
Sampling	14:19	30	14:27	4.0	See below	

Measurements during sampling - Drops IPA in Shroud = 14

Time	1420	1421	1422	1423	1424	1425	1426	1427		
Vac	25	21	18	14	11	9	6	4		
PID ppmv	0.2	0.5	1.0	2.2	4.5	5.1	6.6	7.1		
Back Vac	3.9	4.5	4.8	4.8	4.5	3.9	3.1			

Notes: or additional measurements

Location: SV-6

7-3-19

Purge Calculation & Target Volume: Purge as previous or 7.36" Hg vac reduction

	Start Time	Initial Vac	End Time	Final Vac	Back Vac	Notes: (Passed / completed / purge volume removed)
Vac Test	10:42	25.48	10:52	25.41		Held sufficiently tight
Purge	10:52	19.5	11:04	12.1	6.41	Completed
Sampling	11:06	29	11:17	6.0	See below	

Measurements during sampling - Drops IPA in Shroud = 13

Time	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	END
Vac	26	23	20	17	15	12	10	9	8	7	6	
PID ppmv	2.7	6.0	8.4	10.7	13.5	16.2	11.3	11	10.8	10	7.8	
Back Vac	7.0	7.5	7.9	8.2	8.4	8.4	8.2	7.8	7.5	7.3	7.1	

Notes: or additional measurements

Soil Vapor/Sub-Slab Sampling Data Sheet

Project Number: CEG-180
Client: _____
Date: 7-3-19
Facility: _____
Sampler: Ross Tinline
Address: 1355 California Circle milpitas
Weather: Sunny Warm

Location: SV-5
Note: All vacuum (Vac) readings in "Hg
Purge Calculation & Target Volume: Purge as previous on 7.36" Hg vac loss.

	Start Time	Initial Vac	End Time	Final Vac	Back Vac	Notes: (Passed / completed / purge volume removed)
Vac Test	11 : 30	23.95	11 45	23.93		Held tight
Purge	11 : 47	20	11 57	12.6	1.07	Completed.
Sampling	11 : 58	30	12:04	4.5	See below	

Measurements during sampling - Drops IPA in Shroud = 10

Time	1159	1200	1201	1202	1203	1204	END.
Vac	27	22	18	14	9.5	4.5	
PID ppmv	2.1	8.3	13	8.9	6.2	8.2	
Back Vac	1.07	1.08	1.1	1.1	1.1	0.95	

Notes: or additional measurements

Location: SV-8
Purge Calculation & Target Volume: Target purge as previous

	Start Time	Initial Vac	End Time	Final Vac	Back Vac	Notes: (Passed / completed / purge volume removed)
Vac Test	12 : 13	23.58	12:23	23.56		Held tight
Purge	12:26	20	12:36	16.5	16.52	
Sampling	:		:		See below	

Measurements during sampling - Drops IPA in Shroud = ____

Time																								
Vac																								
PID ppmv																								
Back Vac																								

No Sample

Notes: or additional measurements
Disconnected purge summa and left manifold open to probe; Very tight; @ 1241 decreased from 16.26 to 16.24" Hg in 1 minute; insufficient flow.

Location: SV-7
Purge Calculation & Target Volume:

	Start Time	Initial Vac	End Time	Final Vac	Back Vac	Notes: (Passed / completed / purge volume removed)
Vac Test	12:55	21.68	13:17	21.88		Held tight
Purge	13:18	20	:		15" back vac erratic	
Sampling	:		:		See below	

Measurements during sampling - Drops IPA in Shroud = ____

Time																								
Vac																								
PID ppmv																								
Back Vac																								

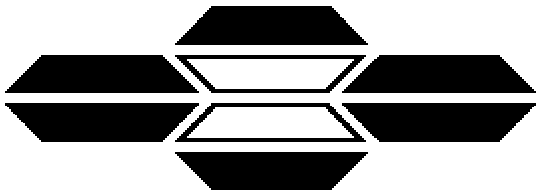
No Sample

Notes: or additional measurements
Note: water observed in 5' bore to 4'4"; Placed bentonite to 4' & built probe from 4-3' w Sand & top @ 3.5'

Note high back vac with erratic readings; checked for water with syringe; water encountered, no sample.

CORNERSTONE EARTH GROUP

APPENDIX H – LABORATORY ANALYTICAL REPORTS



ASBESTOS TEM LABORATORIES, INC.

CARB Method 435
Polarized Light Microscopy
Analytical Report

Laboratory Job # 1355-00141

630 Bancroft Way
Berkeley, CA 94710
(510) 704-8930
FAX (510) 704-8429

ASBESTOS TEM LABORATORIES, INC

CA DPH ELAP
Lab No. 1866

NVLAP Lab Code: 101891-0
Berkeley, CA

Jul/15/2019

Peter Langtry
Cornerstone Earth Group
1270 Springbrook Road, Suite 101
Walnut Creek, CA 94597

RE: LABORATORY JOB # 1355-00141
Polarized light microscopy analytical results for 8 bulk sample(s).
Job Site: 648-19-1
Job No.: 1355 California Circle, Milpitas

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with the California Air Resources Board (ARB) Method 435 for the determination of asbestos in serpentine aggregate samples.

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Sample preparation follows a standard CARB 435 prep method. The entire sample is dried at 135-150 C and then crushed to ~3/8" gravel size using a Bico Chipmunk crusher. If the submitted sample is >1 pint, the sample was split using a 1/2" riffle splitter following ASTM Method C-702-98 to obtain a 1 pint aliquot. The entire 1 pint aliquot, or entire original sample, is then pulverized in a Bico Braun disc pulverizer calibrated to produce a nominal 200 mesh final product. If necessary, additional homogenization steps are undertaken using a 3/8" riffle splitter. Small aliquots are collected from throughout the pulverized material to create three separate microsope slide mounts containing the appropriate refractive index oil. The prepared slides are placed under a polarizing light microscope where standard mineralogical techniques are used to analyze the various materials present, including asbestos. If asbestos is identified and of less than 10% concentration by visual area estimate then an additional five sample mounts are prepared. Quantification of asbestos concentration is obtained using the standard CAL ARB Method 435 point count protocol. For samples observed to contain visible asbestos of less than 10% concentration, a point counting techinique is used with 50 points counted on each of eight sample mounts for a total of 400 points. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

While the CARB 435 method has much to commend it, there are a number of situations where it fails to provide sufficient accuracy to make a definitive determination of the presence/absence of asbestos and/or an accurate count of the asbestos concentration present in a given sample. These problems include, but are not limited to, 1) statistical uncertainty with samples containing <1% asbestos when too few particles are counted, 2) definitive identification and discrimination between various fibrous amphibole minerals such as tremolite/actinolite/hornblende and the "Libby amphiboles" such as tremolite/winchite/richterite/arfvedsonite, and C) small asbestiform fibers which are near or below the resolution limit of the PLM microscope such as those found in various California coast range serpentine bodies. In these cases, further analysis by transmission electron microscopy is recommended to obtain a more accurate result.

Sincerely Yours,

Lab Manager
ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, without the approval of the laboratory. ---

POLARIZED LIGHT MICROSCOPY
CARB 435 ANALYTICAL REPORT

Contact: Peter Langtry

Address: Cornerstone Earth Group
1270 Springbrook Road, Suite
Walnut Creek, CA

Samples Submitted: 8

Samples Analyzed: 8

Job Site / No. 1355 California Circle, Milpitas
648-19-1

Report No. **364846**
Date Submitted: Jul-08-19
Date Reported: Jul-15-19

SAMPLE ID	POINTS COUNTED	ASBESTOS %	ASBESTOS TYPE	LOCATION / DESCRIPTION
SS-5		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1355-00141-001	**400** - Total Points			
SS-6		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1355-00141-002	**400** - Total Points			
SS-7		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1355-00141-003	**400** - Total Points			
SS-8		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1355-00141-004	**400** - Total Points			
SS-1 (0-0.5)		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1355-00141-005	**400** - Total Points			
SS-2 (0-0.5)		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1355-00141-006	**400** - Total Points			
SS-3 (0-0.5)		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1355-00141-007	**400** - Total Points			
SS-4 (0-0.5)		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1355-00141-008	**400** - Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			

QC Reviewer _____ **Analys** _____

364846

ASBESTOS TEM LABORATORIES CHAIN OF CUSTODY

CALIFORNIA: 600 Bancroft Way, Suite A, Berkeley, CA 94710 Phone (510) 704-8930 Fax (510) 704-8429
NEVADA: 1350 Freeport Blvd. #104, Sparks, NV 89431 Phone (775) 359-3377 Fax (775) 359-2798
You may also email this chain of custody to coc@asbestostemlabs.com ***denotes required field**

Company: Cornerstone Earth Group	*Contact:** Peter Langtry	*Phone:** 925-817-8114	*Email:** plangtry@cornerstoneearth.com
*Address:** 1220 Oakland Avenue	*City:** Walnut Creek	*State:** CA *Zip:* 94596	*Email:* nmall@cornerstoneearth.com
*Job Site:** 1355 Calfornia Circle, Milpitas	*Job #:* 648-19-1	*PO #:*	*Email:*

Reporting *	□ Email	□ Phone	□ Fax	□ Mail	□ FTP	□ Pickup	Billing	□ Fax	□ Email	□ Mail	□ Pre-Paid	□ On Receipt:	□ 3rd Party
Results Due:*	□ 2 HR	□ 4 HR	□ 6 HR	□ 8 HR	□ 24 HR	□ 48 HR	□ 3 DAY	□ 4 DAY	X 5 DAY	□ 10 DAY	□ Hold Samples	□ *After Hours:* ** _____ *see below*	
Asbestos Air	□ PCM (NIOSH 7400A	□ TEM AHERA	□ TEM CARB Mod. AHERA	□ TEM EPA Yamate Level II	□ TEM NIOSH 7402	□ ISO 10312	□ ISO 13794						
Asbestos Bulk	□ PLM Standard (EPA 600/R-93-1)	□ PLM 400 PC	□ PLM 1000 PC	□ PLM 400 PC Grav. Red.	□ PLM 1000 PC Grav. Red.	□ TEM EPA Qualitative	□ TEM EPA Quantitatye						
	□ TEM Chatfield (Semi-Quant)	□ PREP ONLY	□ Custom Analysis: **										
Asbestos Soils	□ CARB 435 Prep Only	X CARB 435 PLM 400 PC	□ CARB 435 PLM 1000 PC	□ EPA Soil Screening Qualitative	□ TEM EPA/CARB Quantitative								
Asbestos Dust	□ ASTM D-5755 Fiber Count	□ ASTM D-5756 Wt. %	□ ASTM D-5756 Mass	□ ASTM D-6480-99 Dust Wipe	□ Total Particulates (Grav.)								
Asbestos Water	□ 100.2 Potable Drinking Water	□ 100.1 Non Potable Water	□ REPORT TO STATE: EDT # _____										
Lead/Silica	□ Lead Paint Chips	□ Lead Dust Wipe	□ Lead Air Cassette	□ Lead Soil	□ Silica Dust Airborne by NIOSH 7500	□ Crystalline Silica (Single Species)	□ Silica Dust Bulk by NIOSH 7500	□ Crystalline Silica in Bulk (Single Species)					
Sample Storage	□ No Test, Hold Until: _____	□ Test AND Hold Until: _____ *All samples will be held for 3 months from the date of receipt at ATEM. Additional sample storage time may be obtained through ATEM Customer Service.*											
Custom Order	□ Sensitivity: _____	□ Composite	8 Hour TWA □	**Special Instructions:**									
REANALYSIS	Original Login/Lot # _____/_____	New Analysis Type: _____	TAT: _____	Special Instructions: _____									

Sample #*	Sample Type	Date Collected	Time On	Time Off	Total Time (min)	Flow Rate (lpm) On	Flow Rate (lpm) Off	Flow Rate (lpm) Average	Volume or Area Sampled	Hold Sample	Description *
SS-5	Soil bag	7/3/19								□	
SS-6	"	7/2/19								□	
SS-7	"	7/3/19								□	
SS-8	"	7/3/19								□	
SS-1(0-0.5)	"	7/2/19								□	
SS-2(0-0.5)	"	7/2/19								□	
SS-3(0-0.5)	"	7/2/19								□	
SS-4(0-0.5)	"	7/2/19								□	
										□	
										□	
										□	

Submitted By *	Natalie Mall 7/3/2019	**Received By**	
Date/Time Submitted *		**Date/Time Received**	
Submitted By		**Received By**	ATEM
Date/Time Submitted		**Date/Time Received**	

** Any special instructions, RUSH results or Custom Analysis, you must clarify these specifications AND, of more importance, contact us here at ATEM ahead of time to manage scheduling to meet your requests. Drop-off and processing of samples after hours cannot be accommodated without prepay notification from you, and confirmation by ATEM staff.

Cornerstone(Walnut Creek)
1220 Oakland Blvd
Suite 220
Walnut Creek, California 94596
Tel: 925 988 9500
Fax: 925 988 9501

RE: 1355 California Circle Ph I & II

Work Order No.: 1907020

Dear Chris Heiny:

Torrent Laboratory, Inc. received 1 sample(s) on July 02, 2019 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

July 09, 2019
Date

Date: 7/9/2019

Client: Cornerstone(Walnut Creek)

Project: 1355 California Circle Ph I & II

Work Order: 1907020

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date Received: 07/02/19
Date Reported: 07/09/19

GW-6

1907020-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.037	0.10	0.421	mg/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	GW-6	**Lab Sample ID:**	1907020-001A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:42		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	7/8/19 6:15:00PM
Prep Batch ID:	1114589	**Prep Analyst:**	AWAL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	**0.421**	x	mg/L	07/08/19	19:45	AW	440572
TPH as Motor Oil	SW8015B	1	0.11	0.40	ND		mg/L	07/08/19	19:45	AW	440572
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**87.2**		%	07/08/19	19:45	AW	440572

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range slightly heavier than diesel quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	GW-6	**Lab Sample ID:**	1907020-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:42		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/3/19 3:17:00PM
Prep Batch ID:	1114542	**Prep Analyst:**	NPAR

The results shown below are reported using their MDL.

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	21	5.5	11	ND		ug/L	07/03/19	17:45	NP	440520
Chloromethane	SW8260B	21	3.5	11	ND		ug/L	07/03/19	17:45	NP	440520
Vinyl Chloride	SW8260B	21	4.4	11	ND		ug/L	07/03/19	17:45	NP	440520
Bromomethane	SW8260B	21	4.5	11	ND		ug/L	07/03/19	17:45	NP	440520
Chloroethane	SW8260B	21	2.4	11	ND		ug/L	07/03/19	17:45	NP	440520
Trichlorofluoromethane	SW8260B	21	3.9	11	ND		ug/L	07/03/19	17:45	NP	440520
1,1-Dichloroethene	SW8260B	21	3.0	11	ND		ug/L	07/03/19	17:45	NP	440520
Freon 113	SW8260B	21	7.2	11	ND		ug/L	07/03/19	17:45	NP	440520
Methylene Chloride	SW8260B	21	2.7	21	ND		ug/L	07/03/19	17:45	NP	440520
trans-1,2-Dichloroethene	SW8260B	21	3.4	11	ND		ug/L	07/03/19	17:45	NP	440520
MTBE	SW8260B	21	1.6	11	ND		ug/L	07/03/19	17:45	NP	440520
tert-Butanol	SW8260B	21	62	110	ND		ug/L	07/03/19	17:45	NP	440520
DIPE	SW8260B	21	2.5	11	ND		ug/L	07/03/19	17:45	NP	440520
1,1-Dichloroethane	SW8260B	21	2.6	11	ND		ug/L	07/03/19	17:45	NP	440520
ETBE	SW8260B	21	1.3	11	ND		ug/L	07/03/19	17:45	NP	440520
cis-1,2-Dichloroethene	SW8260B	21	3.2	11	ND		ug/L	07/03/19	17:45	NP	440520
2,2-Dichloropropane	SW8260B	21	2.0	11	ND		ug/L	07/03/19	17:45	NP	440520
Bromochloromethane	SW8260B	21	3.1	11	ND		ug/L	07/03/19	17:45	NP	440520
Chloroform	SW8260B	21	2.6	11	ND		ug/L	07/03/19	17:45	NP	440520
Carbon Tetrachloride	SW8260B	21	3.3	11	ND		ug/L	07/03/19	17:45	NP	440520
1,1,1-Trichloroethane	SW8260B	21	3.4	11	ND		ug/L	07/03/19	17:45	NP	440520
1,1-Dichloropropene	SW8260B	21	3.9	11	ND		ug/L	07/03/19	17:45	NP	440520
Benzene	SW8260B	21	1.4	11	ND		ug/L	07/03/19	17:45	NP	440520
TAME	SW8260B	21	1.5	11	ND		ug/L	07/03/19	17:45	NP	440520
1,2-Dichloroethane	SW8260B	21	2.3	11	ND		ug/L	07/03/19	17:45	NP	440520
Trichloroethylene	SW8260B	21	3.1	11	ND		ug/L	07/03/19	17:45	NP	440520
Dibromomethane	SW8260B	21	2.2	11	ND		ug/L	07/03/19	17:45	NP	440520
1,2-Dichloropropane	SW8260B	21	1.9	11	ND		ug/L	07/03/19	17:45	NP	440520
Bromodichloromethane	SW8260B	21	1.6	11	ND		ug/L	07/03/19	17:45	NP	440520
cis-1,3-Dichloropropene	SW8260B	21	1.6	11	ND		ug/L	07/03/19	17:45	NP	440520
Toluene	SW8260B	21	3.0	11	ND		ug/L	07/03/19	17:45	NP	440520
Tetrachloroethylene	SW8260B	21	5.0	11	ND		ug/L	07/03/19	17:45	NP	440520
trans-1,3-Dichloropropene	SW8260B	21	4.5	11	ND		ug/L	07/03/19	17:45	NP	440520
1,1,2-Trichloroethane	SW8260B	21	1.6	11	ND		ug/L	07/03/19	17:45	NP	440520
Dibromochloromethane	SW8260B	21	3.8	11	ND		ug/L	07/03/19	17:45	NP	440520

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	GW-6	**Lab Sample ID:**	1907020-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:42		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/3/19 3:17:00PM
Prep Batch ID:	1114542	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dichloropropane	SW8260B	21	4.5	11	ND		ug/L	07/03/19	17:45	NP	440520
1,2-Dibromoethane	SW8260B	21	1.7	11	ND		ug/L	07/03/19	17:45	NP	440520
Chlorobenzene	SW8260B	21	3.4	11	ND		ug/L	07/03/19	17:45	NP	440520
Ethylbenzene	SW8260B	21	4.1	11	ND		ug/L	07/03/19	17:45	NP	440520
1,1,1,2-Tetrachloroethane	SW8260B	21	1.8	11	ND		ug/L	07/03/19	17:45	NP	440520
m,p-Xylene	SW8260B	21	8.3	21	ND		ug/L	07/03/19	17:45	NP	440520
o-Xylene	SW8260B	21	3.2	11	ND		ug/L	07/03/19	17:45	NP	440520
Styrene	SW8260B	21	2.3	11	ND		ug/L	07/03/19	17:45	NP	440520
Bromoform	SW8260B	21	1.6	11	ND		ug/L	07/03/19	17:45	NP	440520
Isopropyl Benzene	SW8260B	21	4.6	11	ND		ug/L	07/03/19	17:45	NP	440520
n-Propylbenzene	SW8260B	21	6.2	11	ND		ug/L	07/03/19	17:45	NP	440520
Bromobenzene	SW8260B	21	3.1	11	ND		ug/L	07/03/19	17:45	NP	440520
1,1,2,2-Tetrachloroethane	SW8260B	21	1.7	11	ND		ug/L	07/03/19	17:45	NP	440520
2-Chlorotoluene	SW8260B	21	5.3	11	ND		ug/L	07/03/19	17:45	NP	440520
1,3,5-Trimethylbenzene	SW8260B	21	5.1	11	ND		ug/L	07/03/19	17:45	NP	440520
1,2,3-Trichloropropane	SW8260B	21	3.0	11	ND		ug/L	07/03/19	17:45	NP	440520
4-Chlorotoluene	SW8260B	21	4.5	11	ND		ug/L	07/03/19	17:45	NP	440520
tert-Butylbenzene	SW8260B	21	5.5	11	ND		ug/L	07/03/19	17:45	NP	440520
1,2,4-Trimethylbenzene	SW8260B	21	4.9	11	ND		ug/L	07/03/19	17:45	NP	440520
sec-Butyl Benzene	SW8260B	21	6.2	11	ND		ug/L	07/03/19	17:45	NP	440520
p-Isopropyltoluene	SW8260B	21	5.6	11	ND		ug/L	07/03/19	17:45	NP	440520
1,3-Dichlorobenzene	SW8260B	21	3.5	11	ND		ug/L	07/03/19	17:45	NP	440520
1,4-Dichlorobenzene	SW8260B	21	3.7	11	ND		ug/L	07/03/19	17:45	NP	440520
n-Butylbenzene	SW8260B	21	5.7	11	ND		ug/L	07/03/19	17:45	NP	440520
1,2-Dichlorobenzene	SW8260B	21	3.4	11	ND		ug/L	07/03/19	17:45	NP	440520
1,2-Dibromo-3-Chloropropane	SW8260B	21	16	42	ND		ug/L	07/03/19	17:45	NP	440520
Hexachlorobutadiene	SW8260B	21	13	42	ND		ug/L	07/03/19	17:45	NP	440520
1,2,4-Trichlorobenzene	SW8260B	21	20	42	ND		ug/L	07/03/19	17:45	NP	440520
Naphthalene	SW8260B	21	25	42	ND		ug/L	07/03/19	17:45	NP	440520
1,2,3-Trichlorobenzene	SW8260B	21	25	42	ND		ug/L	07/03/19	17:45	NP	440520
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**97.4**		%	07/03/19	17:45	NP	440520
(S) Toluene-d8	SW8260B		75.1 - 127		**95.8**		%	07/03/19	17:45	NP	440520
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**98.5**		%	07/03/19	17:45	NP	440520

NOTE: Reporting limits were raised due to matrix nature(foamy).

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	GW-6	**Lab Sample ID:**	1907020-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:42		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	7/3/19 3:17:00PM
Prep Batch ID:	1114577	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	21	610	1100	ND		ug/L	07/03/19	17:45	NP	440520
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**113**		%	07/03/19	17:45	NP	440520

NOTE: Reporting limits were raised due to matrix nature(foamy).

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907020	**Prep Method:**	5030VOC	**Prep Date:**	07/03/19	**Prep Batch:**	1114542
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440520
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	1.0	ND	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	2.9	5.0	ND	
DIPE	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	
Chloroform	0.12	0.50	ND	
Carbon Tetrachloride	0.16	0.50	ND	
1,1,1-Trichloroethane	0.16	0.50	ND	
1,1-Dichloropropene	0.19	0.50	ND	
Benzene	0.065	0.50	ND	
TAME	0.072	0.50	ND	
1,2-Dichloroethane	0.11	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
Dibromomethane	0.11	0.50	ND	
1,2-Dichloropropane	0.089	0.50	ND	
Bromodichloromethane	0.076	0.50	ND	
cis-1,3-Dichloropropene	0.078	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.24	0.50	ND	
trans-1,3-Dichloropropene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.076	0.50	ND	
Dibromochloromethane	0.18	0.50	ND	
1,3-Dichloropropane	0.22	0.50	ND	
1,2-Dibromoethane	0.079	0.50	ND	
Chlorobenzene	0.16	0.50	ND	
Ethylbenzene	0.20	0.50	ND	
1,1,1,2-Tetrachloroethane	0.087	0.50	ND	
m,p-Xylene	0.39	1.0	ND	
o-Xylene	0.15	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907020	**Prep Method:**	5030VOC	**Prep Date:**	07/03/19	**Prep Batch:**	1114542
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440520
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	ND	
Isopropyl Benzene	0.22	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.079	0.50	ND	
2-Chlorotoluene	0.25	0.50	ND	
1,3,5-Trimethylbenzene	0.24	0.50	ND	
1,2,3-Trichloropropane	0.15	0.50	ND	
4-Chlorotoluene	0.22	0.50	ND	
tert-Butylbenzene	0.26	0.50	ND	
1,2,4-Trimethylbenzene	0.23	0.50	ND	
sec-Butyl Benzene	0.30	0.50	ND	
p-Isopropyltoluene	0.27	0.50	ND	
1,3-Dichlorobenzene	0.17	0.50	ND	
1,4-Dichlorobenzene	0.18	0.50	ND	
n-Butylbenzene	0.27	0.50	ND	
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			97.7	
(S) Toluene-d8			96.0	
(S) 4-Bromofluorobenzene			91.9	

Work Order:	1907020	**Prep Method:**	5030GRO	**Prep Date:**	07/03/19	**Prep Batch:**	1114577
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440520
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	29	50	34	
(S) 4-Bromofluorobenzene			111	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907020	**Prep Method:**	3510_TPH	**Prep Date:**	07/08/19	**Prep Batch:**	1114589
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440572
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Diesel	0.037	0.10	0.0540		
TPH as Motor Oil	0.11	0.40	ND		
Pentacosane (S)			94.3		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907020	**Prep Method:**	5030VOC	**Prep Date:**	07/03/19	**Prep Batch:**	1114542
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440520
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	81.2	95.9	16.5	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	76.9	89.4	15.5	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	77.0	85.3	9.66	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	83.1	90.0	8.41	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	79.4	87.0	8.75	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	84.6	98.6		61.2 - 131		
(S) Toluene-d8				17.9	89.0	97.2		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	85.4	96.2		64.1 - 120		

Work Order:	1907020	**Prep Method:**	5030GRO	**Prep Date:**	07/03/19	**Prep Batch:**	1114577
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/4/2019	**Analytical Batch:**	440520
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	29	50	34	238	107	93.1	13.8	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	97.6	87.4		41.5 - 125		

Work Order:	1907020	**Prep Method:**	3510_TPH	**Prep Date:**	07/08/19	**Prep Batch:**	1114589
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440572
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.037	0.10	0.0540	1.0	95.8	85.0	11.9	52 - 115	30	
Pentacosane (S)				200	101	91.4		59 - 129		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Cornerstone(Walnut Creek)

Project Name: 1355 California Circle Ph I & II

Work Order No.: 1907020

Date and Time Received: 7/2/2019 3:50:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	4.0	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Login Summary Report

Client ID: TL5508 Cornerstone(Walnut Creek)
Project Name: 1355 California Circle Ph I & II
Project # : 648-19-1
Report Due Date: 7/9/2019

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 7/2/2019
Time Received: 3:50 pm

Comments:

Work Order # : ***1907020***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1907020-001A	GW-6	07/02/19 13:42	Water	08/16/19			TPHDO_W_8015B(M)	
1907020-001B	GW-6	07/02/19 13:42	Water	08/16/19			VOC_W_8260B VOC_W_GRO	

Torrent LABORATORY, INC.

CORNERSTONE EARTH GROUP

Chain of Custody Record

1907020

	Project Manager:	Site Sampler: NKM	Date: 7/2/19
Cornerstone Earth Group, Inc.	Tel/Fax: 925-988-9500 ext.	Lab Contact: Jane Ladrech	Lab: Torrent
1220 Oakland Boulevard, Suite 220	Analysis Turnaround Time		
Walnut Creek, CA 94596			
(925)-988-9500 Phone	TAT if different from Below _____		
(925)-988-9501 FAX	☐ 1 week		
Project Name: 1355 California Circle Ph I & II	☒ 3 days		
Site: 1355 California Circle, Milpitas	☐ 2 days		
Project Number: 648-19-1	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	17 CAM Metals (EPA 6010B / 7471A)	TPHg and VOCs (EPA 8260B)	TPH d/mo (EPA 8015)	PCBs (EPA 8082)	OCPs (EPA 8081)	SVOCs (EPA 8270C)	STLC - Extract and Hold	TCLP - Extract and Hold	HOLD	Laboratory's Sample Specific Notes:
~~GW-5~~ NKM								x	x							
-001A|B GW-6	7/2/19	13:42	Numbers/ VOA	Water	5			x	x							
~~GW-7~~ NKM								x	x							
~~GW-8~~ NKM								x	x							

Preservation Used: ~~1=Ice~~, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: Please email results to: cheiny@cornerstoneearth.com, nmall@cornerstoneearth.com

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by: Nicholas Mall	Cornerstone Earth Group	7-2-9 3:50		Torrent Lab	7/2/19 1550
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

D/O Temp = 4°. C#2

Cornerstone(Walnut Creek)
1220 Oakland Blvd
Suite 220
Walnut Creek, California 94596
Tel: 925 988 9500
Fax: 925 988 9501

RE: 1355 California Circle Ph I & II

Work Order No.: 1907021

Dear Chris Heiny:

Torrent Laboratory, Inc. received 6 sample(s) on July 02, 2019 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

July 09, 2019
Date

Date: 7/9/2019

Client: Cornerstone(Walnut Creek)

Project: 1355 California Circle Ph I & II

Work Order: 1907021

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Note: for 8260B/GCMS-GRO: Final result & MDL/PQL (Detection Limit/Reporting limit) have been corrected for actual mass removed from the Encore container.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date Received: 07/02/19
Date Reported: 07/09/19

SS-1 (0-0.5) 1907021-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	4.58	mg/Kg
Barium	SW6010B	1	0.055	5.00	138	mg/Kg
Chromium	SW6010B	1	0.075	5.00	16.2	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	7.55	mg/Kg
Copper	SW6010B	1	0.20	5.00	18.1	mg/Kg
Lead	SW6010B	1	0.10	3.00	7.15	mg/Kg
Nickel	SW6010B	1	0.50	5.00	44.9	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	23.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	76.5	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.46	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	16.7	mg/Kg

SS-2 (0-0.5) 1907021-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	4.38	mg/Kg
Barium	SW6010B	1	0.055	5.00	130	mg/Kg
Chromium	SW6010B	1	0.075	5.00	17.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.60	mg/Kg
Copper	SW6010B	1	0.20	5.00	16.3	mg/Kg
Lead	SW6010B	1	0.10	3.00	7.50	mg/Kg
Nickel	SW6010B	1	0.50	5.00	39.3	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	21.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	54.5	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.40	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	18.0	mg/Kg

SS-3 (0-0.5) 1907021-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	5.50	mg/Kg
Barium	SW6010B	1	0.055	5.00	229	mg/Kg
Chromium	SW6010B	1	0.075	5.00	52.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	13.6	mg/Kg
Copper	SW6010B	1	0.20	5.00	35.9	mg/Kg
Lead	SW6010B	1	0.10	3.00	12.6	mg/Kg
Nickel	SW6010B	1	0.50	5.00	82.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	36.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	67.0	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.03	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date Received: 07/02/19
Date Reported: 07/09/19

SS-4 (0-0.5) 1907021-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	6.95	mg/Kg
Barium	SW6010B	1	0.055	5.00	187	mg/Kg
Chromium	SW6010B	1	0.075	5.00	57.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	15.6	mg/Kg
Copper	SW6010B	1	0.20	5.00	34.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	16.6	mg/Kg
Nickel	SW6010B	1	0.50	5.00	100	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	35.8	mg/Kg
Zinc	SW6010B	1	0.30	5.00	65.0	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.50	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	12.5	mg/Kg

SS-6 (0-0.5) 1907021-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	100	4500	10000	10600	ug/Kg
Arsenic	SW6010B	1	0.15	1.30	3.41	mg/Kg
Barium	SW6010B	1	0.055	5.00	108	mg/Kg
Chromium	SW6010B	1	0.075	5.00	34.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.50	mg/Kg
Copper	SW6010B	1	0.20	5.00	20.9	mg/Kg
Lead	SW6010B	1	0.10	3.00	8.95	mg/Kg
Nickel	SW6010B	1	0.50	5.00	53.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	27.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	44.1	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.84	mg/Kg
Naphthalene	SW8260B	100	170	1000	369	ug/Kg

SS-6 (15-16) 1907021-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	6.00	mg/Kg
Barium	SW6010B	1	0.055	5.00	171	mg/Kg
Chromium	SW6010B	1	0.075	5.00	52.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	30.5	mg/Kg
Lead	SW6010B	1	0.10	3.00	12.2	mg/Kg
Nickel	SW6010B	1	0.50	5.00	73.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	32.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	55.5	mg/Kg
TPH as Diesel	SW8015B	30	51	120	2440	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-1 (0-0.5)	**Lab Sample ID:**	1907021-001A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:20		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114543	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/08/19	11:49	BJAY	440560

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-1 (0-0.5)	**Lab Sample ID:**	1907021-001A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:20		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114545	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:12	PPATEL	440532
Arsenic	SW6010B	1	0.15	1.30	**4.58**		mg/Kg	07/06/19	10:12	PPATEL	440532
Barium	SW6010B	1	0.055	5.00	**138**		mg/Kg	07/06/19	10:12	PPATEL	440532
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/06/19	10:12	PPATEL	440532
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/06/19	10:12	PPATEL	440532
Chromium	SW6010B	1	0.075	5.00	**16.2**		mg/Kg	07/06/19	10:12	PPATEL	440532
Cobalt	SW6010B	1	0.070	5.00	**7.55**		mg/Kg	07/06/19	10:12	PPATEL	440532
Copper	SW6010B	1	0.20	5.00	**18.1**		mg/Kg	07/06/19	10:12	PPATEL	440532
Lead	SW6010B	1	0.10	3.00	**7.15**		mg/Kg	07/06/19	10:12	PPATEL	440532
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:12	PPATEL	440532
Nickel	SW6010B	1	0.50	5.00	**44.9**		mg/Kg	07/06/19	10:12	PPATEL	440532
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/06/19	10:12	PPATEL	440532
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/06/19	10:12	PPATEL	440532
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/06/19	10:12	PPATEL	440532
Vanadium	SW6010B	1	0.10	5.00	**23.6**		mg/Kg	07/06/19	10:12	PPATEL	440532
Zinc	SW6010B	1	0.30	5.00	**76.5**		mg/Kg	07/06/19	10:12	PPATEL	440532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-1 (0-0.5)	**Lab Sample ID:**	1907021-001A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:20		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/3/19	3:49:00PM
Prep Batch ID:	1114540	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.46**	x	mg/Kg	07/04/19	0:13	AW	440576
TPH as Motor Oil	SW8015B	1	3.2	10	**16.7**		mg/Kg	07/04/19	0:13	AW	440576
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**78.6**		%	07/04/19	0:13	AW	440576

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-1 (0-0.5)	**Lab Sample ID:**	1907021-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:20		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Chloromethane	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Vinyl Chloride	SW8260B	1	1.9	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Bromomethane	SW8260B	1	2.5	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Chloroethane	SW8260B	1	2.9	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Trichlorofluoromethane	SW8260B	1	1.9	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,1-Dichloroethene	SW8260B	1	1.9	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Freon 113	SW8260B	1	1.8	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Methylene Chloride	SW8260B	1	6.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
trans-1,2-Dichloroethene	SW8260B	1	2.0	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
MTBE	SW8260B	1	2.2	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
TBA	SW8260B	1	11	47	ND		ug/Kg	07/03/19	13:51	NP	440536
Diisopropyl ether	SW8260B	1	2.2	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,1-Dichloroethane	SW8260B	1	2.1	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Ethyl tert-Butyl ether	SW8260B	1	2.2	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
cis-1,2-Dichloroethene	SW8260B	1	2.1	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
2,2-Dichloropropane	SW8260B	1	1.8	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Bromochloromethane	SW8260B	1	2.2	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Chloroform	SW8260B	1	2.2	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Carbon Tetrachloride	SW8260B	1	1.9	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,1,1-Trichloroethane	SW8260B	1	2.0	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,1-Dichloropropene	SW8260B	1	1.9	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Benzene	SW8260B	1	2.1	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
TAME	SW8260B	1	2.1	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2-Dichloroethane	SW8260B	1	2.2	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Trichloroethylene	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Dibromomethane	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2-Dichloropropane	SW8260B	1	1.8	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Bromodichloromethane	SW8260B	1	1.9	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
cis-1,3-Dichloropropene	SW8260B	1	1.5	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Toluene	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Tetrachloroethylene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
trans-1,3-Dichloropropene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,1,2-Trichloroethane	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Dibromochloromethane	SW8260B	1	1.8	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-1 (0-0.5)	**Lab Sample ID:**	1907021-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:20		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2-Dibromoethane	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Chlorobenzene	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Ethylbenzene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,1,1,2-Tetrachloroethane	SW8260B	1	1.8	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
m,p-Xylene	SW8260B	1	3.0	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
o-Xylene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Styrene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Bromoform	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Isopropyl Benzene	SW8260B	1	1.5	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
n-Propylbenzene	SW8260B	1	1.5	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Bromobenzene	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,1,2,2-Tetrachloroethane	SW8260B	1	1.8	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
2-Chlorotoluene	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,3,5-Trimethylbenzene	SW8260B	1	1.5	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2,3-Trichloropropane	SW8260B	1	1.8	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
4-Chlorotoluene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
tert-Butylbenzene	SW8260B	1	1.5	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2,4-Trimethylbenzene	SW8260B	1	1.3	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
sec-Butyl Benzene	SW8260B	1	1.5	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
p-Isopropyltoluene	SW8260B	1	1.4	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,3-Dichlorobenzene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,4-Dichlorobenzene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
n-Butylbenzene	SW8260B	1	1.4	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2-Dichlorobenzene	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.7	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Hexachlorobutadiene	SW8260B	1	1.3	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2,4-Trichlorobenzene	SW8260B	1	1.4	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
Naphthalene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
1,2,3-Trichlorobenzene	SW8260B	1	1.6	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
2-Butanone	SW8260B	1	2.2	9.5	ND		ug/Kg	07/03/19	13:51	NP	440536
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**105**		%	07/03/19	13:51	NP	440536
(S) Toluene-d8	SW8260B		55.2 - 133		**99.5**		%	07/03/19	13:51	NP	440536
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**96.3**		%	07/03/19	13:51	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-1 (0-0.5)	**Lab Sample ID:**	1907021-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:20		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/3/19	9:19:00AM
Prep Batch ID:	1114571	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	41	95	ND		ug/Kg	07/03/19	13:51	NP	440536
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**105**		%	07/03/19	13:51	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-2 (0-0.5)	**Lab Sample ID:**	1907021-002A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:46		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114543	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/08/19	11:51	BJAY	440560

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-2 (0-0.5)	**Lab Sample ID:**	1907021-002A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:46		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114545	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:16	PPATEL	440532
Arsenic	SW6010B	1	0.15	1.30	**4.38**		mg/Kg	07/06/19	10:16	PPATEL	440532
Barium	SW6010B	1	0.055	5.00	**130**		mg/Kg	07/06/19	10:16	PPATEL	440532
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/06/19	10:16	PPATEL	440532
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/06/19	10:16	PPATEL	440532
Chromium	SW6010B	1	0.075	5.00	**17.6**		mg/Kg	07/06/19	10:16	PPATEL	440532
Cobalt	SW6010B	1	0.070	5.00	**8.60**		mg/Kg	07/06/19	10:16	PPATEL	440532
Copper	SW6010B	1	0.20	5.00	**16.3**		mg/Kg	07/06/19	10:16	PPATEL	440532
Lead	SW6010B	1	0.10	3.00	**7.50**		mg/Kg	07/06/19	10:16	PPATEL	440532
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:16	PPATEL	440532
Nickel	SW6010B	1	0.50	5.00	**39.3**		mg/Kg	07/06/19	10:16	PPATEL	440532
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/06/19	10:16	PPATEL	440532
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/06/19	10:16	PPATEL	440532
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/06/19	10:16	PPATEL	440532
Vanadium	SW6010B	1	0.10	5.00	**21.0**		mg/Kg	07/06/19	10:16	PPATEL	440532
Zinc	SW6010B	1	0.30	5.00	**54.5**		mg/Kg	07/06/19	10:16	PPATEL	440532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-2 (0-0.5)	**Lab Sample ID:**	1907021-002A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:46		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/3/19	3:49:00PM
Prep Batch ID:	1114540	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.40**	x	mg/Kg	07/09/19	15:07	AW	440576
TPH as Motor Oil	SW8015B	1	3.2	10	**18.0**		mg/Kg	07/09/19	15:07	AW	440576
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**63.4**		%	07/09/19	15:07	AW	440576

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-2 (0-0.5)	**Lab Sample ID:**	1907021-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:46		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.1	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Chloromethane	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Vinyl Chloride	SW8260B	1	1.8	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Bromomethane	SW8260B	1	2.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Chloroethane	SW8260B	1	2.7	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Trichlorofluoromethane	SW8260B	1	1.8	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,1-Dichloroethene	SW8260B	1	1.8	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Freon 113	SW8260B	1	1.7	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Methylene Chloride	SW8260B	1	6.2	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
trans-1,2-Dichloroethene	SW8260B	1	1.8	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
MTBE	SW8260B	1	2.1	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
TBA	SW8260B	1	10	44	ND		ug/Kg	07/03/19	14:20	NP	440536
Diisopropyl ether	SW8260B	1	2.0	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,1-Dichloroethane	SW8260B	1	1.9	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Ethyl tert-Butyl ether	SW8260B	1	2.0	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
cis-1,2-Dichloroethene	SW8260B	1	2.0	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
2,2-Dichloropropane	SW8260B	1	1.7	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Bromochloromethane	SW8260B	1	2.1	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Chloroform	SW8260B	1	2.1	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Carbon Tetrachloride	SW8260B	1	1.8	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,1,1-Trichloroethane	SW8260B	1	1.8	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,1-Dichloropropene	SW8260B	1	1.7	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Benzene	SW8260B	1	2.0	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
TAME	SW8260B	1	2.0	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2-Dichloroethane	SW8260B	1	2.0	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Trichloroethylene	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Dibromomethane	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2-Dichloropropane	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Bromodichloromethane	SW8260B	1	1.7	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
cis-1,3-Dichloropropene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Toluene	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Tetrachloroethylene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
trans-1,3-Dichloropropene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,1,2-Trichloroethane	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Dibromochloromethane	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-2 (0-0.5)	**Lab Sample ID:**	1907021-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:46		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2-Dibromoethane	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Chlorobenzene	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Ethylbenzene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,1,1,2-Tetrachloroethane	SW8260B	1	1.7	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
m,p-Xylene	SW8260B	1	2.8	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
o-Xylene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Styrene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Bromoform	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Isopropyl Benzene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
n-Propylbenzene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Bromobenzene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,1,2,2-Tetrachloroethane	SW8260B	1	1.7	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
2-Chlorotoluene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,3,5-Trimethylbenzene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2,3-Trichloropropane	SW8260B	1	1.7	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
4-Chlorotoluene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
tert-Butylbenzene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2,4-Trimethylbenzene	SW8260B	1	1.2	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
sec-Butyl Benzene	SW8260B	1	1.4	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
p-Isopropyltoluene	SW8260B	1	1.3	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,3-Dichlorobenzene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,4-Dichlorobenzene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
n-Butylbenzene	SW8260B	1	1.3	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2-Dichlorobenzene	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.6	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Hexachlorobutadiene	SW8260B	1	1.2	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2,4-Trichlorobenzene	SW8260B	1	1.3	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
Naphthalene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
1,2,3-Trichlorobenzene	SW8260B	1	1.5	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
2-Butanone	SW8260B	1	2.0	8.8	ND		ug/Kg	07/03/19	14:20	NP	440536
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**108**		%	07/03/19	14:20	NP	440536
(S) Toluene-d8	SW8260B		55.2 - 133		**102**		%	07/03/19	14:20	NP	440536
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**101**		%	07/03/19	14:20	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-2 (0-0.5)	**Lab Sample ID:**	1907021-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 10:46		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/3/19	9:19:00AM
Prep Batch ID:	1114571	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	38	88	ND		ug/Kg	07/03/19	14:20	NP	440536
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**96.5**		%	07/03/19	14:20	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-3 (0-0.5)	**Lab Sample ID:**	1907021-003A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:40		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114543	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/08/19	11:53	BJAY	440560

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-3 (0-0.5)	**Lab Sample ID:**	1907021-003A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:40		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114545	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:19	PPATEL	440532
Arsenic	SW6010B	1	0.15	1.30	**5.50**		mg/Kg	07/06/19	10:19	PPATEL	440532
Barium	SW6010B	1	0.055	5.00	**229**		mg/Kg	07/06/19	10:19	PPATEL	440532
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/06/19	10:19	PPATEL	440532
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/06/19	10:19	PPATEL	440532
Chromium	SW6010B	1	0.075	5.00	**52.0**		mg/Kg	07/06/19	10:19	PPATEL	440532
Cobalt	SW6010B	1	0.070	5.00	**13.6**		mg/Kg	07/06/19	10:19	PPATEL	440532
Copper	SW6010B	1	0.20	5.00	**35.9**		mg/Kg	07/06/19	10:19	PPATEL	440532
Lead	SW6010B	1	0.10	3.00	**12.6**		mg/Kg	07/06/19	10:19	PPATEL	440532
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:19	PPATEL	440532
Nickel	SW6010B	1	0.50	5.00	**82.5**		mg/Kg	07/06/19	10:19	PPATEL	440532
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/06/19	10:19	PPATEL	440532
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/06/19	10:19	PPATEL	440532
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/06/19	10:19	PPATEL	440532
Vanadium	SW6010B	1	0.10	5.00	**36.3**		mg/Kg	07/06/19	10:19	PPATEL	440532
Zinc	SW6010B	1	0.30	5.00	**67.0**		mg/Kg	07/06/19	10:19	PPATEL	440532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-3 (0-0.5)	**Lab Sample ID:**	1907021-003A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:40		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/3/19	3:49:00PM
Prep Batch ID:	1114540	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.03**	x	mg/Kg	07/04/19	1:01	AW	440576
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	07/04/19	1:01	AW	440576
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**63.0**		%	07/04/19	1:01	AW	440576

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range slightly heavier than diesel quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-3 (0-0.5)	**Lab Sample ID:**	1907021-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:40		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Chloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Vinyl Chloride	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Bromomethane	SW8260B	1	2.8	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Chloroethane	SW8260B	1	3.1	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,1-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Methylene Chloride	SW8260B	1	7.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	14:48	NP	440536
MTBE	SW8260B	1	2.4	10	ND		ug/Kg	07/03/19	14:48	NP	440536
TBA	SW8260B	1	12	51	ND		ug/Kg	07/03/19	14:48	NP	440536
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,1-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
cis-1,2-Dichloroethene	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
2,2-Dichloropropane	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Bromochloromethane	SW8260B	1	2.4	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Benzene	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2-Dichloroethane	SW8260B	1	2.4	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Trichloroethylene	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Dibromomethane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	14:48	NP	440536
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Toluene	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
trans-1,3-Dichloropropene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,1,2-Trichloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-3 (0-0.5)	**Lab Sample ID:**	1907021-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:40		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2-Dibromoethane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Chlorobenzene	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,1,1,2-Tetrachloroethane	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	14:48	NP	440536
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/03/19	14:48	NP	440536
o-Xylene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Styrene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Isopropyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,1,2,2-Tetrachloroethane	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	14:48	NP	440536
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2,3-Trichloropropane	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	14:48	NP	440536
4-Chlorotoluene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
tert-Butylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/03/19	14:48	NP	440536
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	14:48	NP	440536
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,4-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	14:48	NP	440536
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/03/19	14:48	NP	440536
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	14:48	NP	440536
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	14:48	NP	440536
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**106**		%	07/03/19	14:48	NP	440536
(S) Toluene-d8	SW8260B		55.2 - 133		**101**		%	07/03/19	14:48	NP	440536
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**102**		%	07/03/19	14:48	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-3 (0-0.5)	**Lab Sample ID:**	1907021-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:40		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/3/19	9:19:00AM
Prep Batch ID:	1114571	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	44	100	ND		ug/Kg	07/03/19	14:48	NP	440536
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**106**		%	07/03/19	14:48	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-4 (0-0.5)	**Lab Sample ID:**	1907021-004A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:27		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114543	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/08/19	11:55	BJAY	440560

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-4 (0-0.5)	**Lab Sample ID:**	1907021-004A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:27		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114545	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:22	PPATEL	440532
Arsenic	SW6010B	1	0.15	1.30	**6.95**		mg/Kg	07/06/19	10:22	PPATEL	440532
Barium	SW6010B	1	0.055	5.00	**187**		mg/Kg	07/06/19	10:22	PPATEL	440532
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/06/19	10:22	PPATEL	440532
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/06/19	10:22	PPATEL	440532
Chromium	SW6010B	1	0.075	5.00	**57.0**		mg/Kg	07/06/19	10:22	PPATEL	440532
Cobalt	SW6010B	1	0.070	5.00	**15.6**		mg/Kg	07/06/19	10:22	PPATEL	440532
Copper	SW6010B	1	0.20	5.00	**34.4**		mg/Kg	07/06/19	10:22	PPATEL	440532
Lead	SW6010B	1	0.10	3.00	**16.6**		mg/Kg	07/06/19	10:22	PPATEL	440532
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:22	PPATEL	440532
Nickel	SW6010B	1	0.50	5.00	**100**		mg/Kg	07/06/19	10:22	PPATEL	440532
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/06/19	10:22	PPATEL	440532
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/06/19	10:22	PPATEL	440532
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/06/19	10:22	PPATEL	440532
Vanadium	SW6010B	1	0.10	5.00	**35.8**		mg/Kg	07/06/19	10:22	PPATEL	440532
Zinc	SW6010B	1	0.30	5.00	**65.0**		mg/Kg	07/06/19	10:22	PPATEL	440532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-4 (0-0.5)	**Lab Sample ID:**	1907021-004A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:27		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/3/19	3:49:00PM
Prep Batch ID:	1114540	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.50**	x	mg/Kg	07/04/19	1:24	AW	440576
TPH as Motor Oil	SW8015B	1	3.2	10	**12.5**		mg/Kg	07/04/19	1:24	AW	440576
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**77.8**		%	07/04/19	1:24	AW	440576

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-4 (0-0.5)	**Lab Sample ID:**	1907021-004B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:27		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.1	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Chloromethane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Vinyl Chloride	SW8260B	1	1.8	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Bromomethane	SW8260B	1	2.4	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Chloroethane	SW8260B	1	2.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Trichlorofluoromethane	SW8260B	1	1.8	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,1-Dichloroethene	SW8260B	1	1.8	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Freon 113	SW8260B	1	1.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Methylene Chloride	SW8260B	1	6.3	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
trans-1,2-Dichloroethene	SW8260B	1	1.9	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
MTBE	SW8260B	1	2.1	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
TBA	SW8260B	1	10	44	ND		ug/Kg	07/03/19	15:17	NP	440536
Diisopropyl ether	SW8260B	1	2.0	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,1-Dichloroethane	SW8260B	1	2.0	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Ethyl tert-Butyl ether	SW8260B	1	2.0	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
cis-1,2-Dichloroethene	SW8260B	1	2.0	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
2,2-Dichloropropane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Bromochloromethane	SW8260B	1	2.1	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Chloroform	SW8260B	1	2.1	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Carbon Tetrachloride	SW8260B	1	1.8	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,1,1-Trichloroethane	SW8260B	1	1.9	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,1-Dichloropropene	SW8260B	1	1.8	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Benzene	SW8260B	1	2.0	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
TAME	SW8260B	1	2.0	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2-Dichloroethane	SW8260B	1	2.1	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Trichloroethylene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Dibromomethane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2-Dichloropropane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Bromodichloromethane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
cis-1,3-Dichloropropene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Toluene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Tetrachloroethylene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
trans-1,3-Dichloropropene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,1,2-Trichloroethane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Dibromochloromethane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-4 (0-0.5)	**Lab Sample ID:**	1907021-004B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:27		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2-Dibromoethane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Chlorobenzene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Ethylbenzene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,1,1,2-Tetrachloroethane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
m,p-Xylene	SW8260B	1	2.8	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
o-Xylene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Styrene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Bromoform	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Isopropyl Benzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
n-Propylbenzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Bromobenzene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,1,2,2-Tetrachloroethane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
2-Chlorotoluene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,3,5-Trimethylbenzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2,3-Trichloropropane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
4-Chlorotoluene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
tert-Butylbenzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2,4-Trimethylbenzene	SW8260B	1	1.2	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
sec-Butyl Benzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
p-Isopropyltoluene	SW8260B	1	1.3	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,3-Dichlorobenzene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,4-Dichlorobenzene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
n-Butylbenzene	SW8260B	1	1.3	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2-Dichlorobenzene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Hexachlorobutadiene	SW8260B	1	1.2	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2,4-Trichlorobenzene	SW8260B	1	1.3	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
Naphthalene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
1,2,3-Trichlorobenzene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
2-Butanone	SW8260B	1	2.0	8.9	ND		ug/Kg	07/03/19	15:17	NP	440536
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**106**		%	07/03/19	15:17	NP	440536
(S) Toluene-d8	SW8260B		55.2 - 133		**101**		%	07/03/19	15:17	NP	440536
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**100**		%	07/03/19	15:17	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-4 (0-0.5)	**Lab Sample ID:**	1907021-004B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:27		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/3/19	9:19:00AM
Prep Batch ID:	1114571	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	38	89	ND		ug/Kg	07/03/19	15:17	NP	440536
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**98.3**		%	07/03/19	15:17	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (0-0.5)	**Lab Sample ID:**	1907021-005A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:14		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114543	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/08/19	11:58	BJAY	440560

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (0-0.5)	**Lab Sample ID:**	1907021-005A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:14		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114545	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:25	PPATEL	440532
Arsenic	SW6010B	1	0.15	1.30	**3.41**		mg/Kg	07/06/19	10:25	PPATEL	440532
Barium	SW6010B	1	0.055	5.00	**108**		mg/Kg	07/06/19	10:25	PPATEL	440532
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/06/19	10:25	PPATEL	440532
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/06/19	10:25	PPATEL	440532
Chromium	SW6010B	1	0.075	5.00	**34.5**		mg/Kg	07/06/19	10:25	PPATEL	440532
Cobalt	SW6010B	1	0.070	5.00	**8.50**		mg/Kg	07/06/19	10:25	PPATEL	440532
Copper	SW6010B	1	0.20	5.00	**20.9**		mg/Kg	07/06/19	10:25	PPATEL	440532
Lead	SW6010B	1	0.10	3.00	**8.95**		mg/Kg	07/06/19	10:25	PPATEL	440532
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:25	PPATEL	440532
Nickel	SW6010B	1	0.50	5.00	**53.0**		mg/Kg	07/06/19	10:25	PPATEL	440532
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/06/19	10:25	PPATEL	440532
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/06/19	10:25	PPATEL	440532
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/06/19	10:25	PPATEL	440532
Vanadium	SW6010B	1	0.10	5.00	**27.0**		mg/Kg	07/06/19	10:25	PPATEL	440532
Zinc	SW6010B	1	0.30	5.00	**44.1**		mg/Kg	07/06/19	10:25	PPATEL	440532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (0-0.5)	**Lab Sample ID:**	1907021-005A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:14		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/3/19	3:49:00PM
Prep Batch ID:	1114540	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.84**	x	mg/Kg	07/04/19	1:48	AW	440576
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	07/04/19	1:48	AW	440576
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**74.6**		%	07/04/19	1:48	AW	440576

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range slightly heavier than diesel quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (0-0.5)	**Lab Sample ID:**	1907021-005B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:14		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	100	130	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Chloromethane	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Vinyl Chloride	SW8260B	100	210	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Bromomethane	SW8260B	100	280	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Chloroethane	SW8260B	100	310	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Trichlorofluoromethane	SW8260B	100	210	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,1-Dichloroethene	SW8260B	100	210	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Freon 113	SW8260B	100	200	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Methylene Chloride	SW8260B	100	740	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
trans-1,2-Dichloroethene	SW8260B	100	220	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
MTBE	SW8260B	100	240	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
TBA	SW8260B	100	1200	5200	ND		ug/Kg	07/03/19	13:22	NP	440536
Diisopropyl ether	SW8260B	100	240	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,1-Dichloroethane	SW8260B	100	230	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Ethyl tert-Butyl ether	SW8260B	100	240	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
cis-1,2-Dichloroethene	SW8260B	100	230	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
2,2-Dichloropropane	SW8260B	100	200	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Bromochloromethane	SW8260B	100	240	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Chloroform	SW8260B	100	250	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Carbon Tetrachloride	SW8260B	100	210	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,1,1-Trichloroethane	SW8260B	100	220	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,1-Dichloropropene	SW8260B	100	210	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Benzene	SW8260B	100	230	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
TAME	SW8260B	100	240	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,2-Dichloroethane	SW8260B	100	240	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Trichloroethylene	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Dibromomethane	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,2-Dichloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Bromodichloromethane	SW8260B	100	200	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
cis-1,3-Dichloropropene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Toluene	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Tetrachloroethylene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
trans-1,3-Dichloropropene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,1,2-Trichloroethane	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (0-0.5)	**Lab Sample ID:**	1907021-005B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:14		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dibromochloromethane	SW8260B	100	200	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,3-Dichloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,2-Dibromoethane	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Chlorobenzene	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Ethylbenzene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,1,1,2-Tetrachloroethane	SW8260B	100	200	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
m,p-Xylene	SW8260B	100	330	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
o-Xylene	SW8260B	100	180	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Styrene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Bromoform	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Isopropyl Benzene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
n-Propylbenzene	SW8260B	100	160	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Bromobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,1,2,2-Tetrachloroethane	SW8260B	100	200	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
2-Chlorotoluene	SW8260B	100	180	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,3,5-Trimethylbenzene	SW8260B	100	160	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,2,3-Trichloropropane	SW8260B	100	200	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
4-Chlorotoluene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
tert-Butylbenzene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,2,4-Trimethylbenzene	SW8260B	100	140	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
sec-Butyl Benzene	SW8260B	100	160	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
p-Isopropyltoluene	SW8260B	100	150	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,3-Dichlorobenzene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,4-Dichlorobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
n-Butylbenzene	SW8260B	100	150	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,2-Dichlorobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,2-Dibromo-3-Chloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Hexachlorobutadiene	SW8260B	100	140	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
1,2,4-Trichlorobenzene	SW8260B	100	150	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
Naphthalene	SW8260B	100	170	1000	**369**	J	ug/Kg	07/03/19	13:22	NP	440536
1,2,3-Trichlorobenzene	SW8260B	100	170	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
2-Butanone	SW8260B	100	240	1000	ND		ug/Kg	07/03/19	13:22	NP	440536
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**95.6**		%	07/03/19	13:22	NP	440536
(S) Toluene-d8	SW8260B		55.2 - 133		**96.8**		%	07/03/19	13:22	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (0-0.5)	**Lab Sample ID:**	1907021-005B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:14		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**94.4**		%	07/03/19	13:22	NP	440536

NOTE: The reporting limits were raised due to the high concentration of non-target compounds within range of C5-C12 quantified as Gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (0-0.5)	**Lab Sample ID:**	1907021-005B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:14		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/3/19	9:19:00AM
Prep Batch ID:	1114571	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	100	4500	10000	**10600**	x	ug/Kg	07/03/19	13:22	NP	440536
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**113**		%	07/03/19	13:22	NP	440536

NOTE: x – Does not match pattern of reference Gasoline standard. Reported value due to contribution from non-target heavy hydrocarbons in range of C5-C12 quantified as gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (15-16)	**Lab Sample ID:**	1907021-006A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114543	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/08/19	12:00	BJAY	440560

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (15-16)	**Lab Sample ID:**	1907021-006A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/3/19 4:45:00PM
Prep Batch ID:	1114545	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:29	PPATEL	440532
Arsenic	SW6010B	1	0.15	1.30	**6.00**		mg/Kg	07/06/19	10:29	PPATEL	440532
Barium	SW6010B	1	0.055	5.00	**171**		mg/Kg	07/06/19	10:29	PPATEL	440532
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/06/19	10:29	PPATEL	440532
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/06/19	10:29	PPATEL	440532
Chromium	SW6010B	1	0.075	5.00	**52.0**		mg/Kg	07/06/19	10:29	PPATEL	440532
Cobalt	SW6010B	1	0.070	5.00	**11.1**		mg/Kg	07/06/19	10:29	PPATEL	440532
Copper	SW6010B	1	0.20	5.00	**30.5**		mg/Kg	07/06/19	10:29	PPATEL	440532
Lead	SW6010B	1	0.10	3.00	**12.2**		mg/Kg	07/06/19	10:29	PPATEL	440532
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/06/19	10:29	PPATEL	440532
Nickel	SW6010B	1	0.50	5.00	**73.0**		mg/Kg	07/06/19	10:29	PPATEL	440532
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/06/19	10:29	PPATEL	440532
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/06/19	10:29	PPATEL	440532
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/06/19	10:29	PPATEL	440532
Vanadium	SW6010B	1	0.10	5.00	**32.3**		mg/Kg	07/06/19	10:29	PPATEL	440532
Zinc	SW6010B	1	0.30	5.00	**55.5**		mg/Kg	07/06/19	10:29	PPATEL	440532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (15-16)	**Lab Sample ID:**	1907021-006A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/3/19	3:49:00PM
Prep Batch ID:	1114540	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	30	51	120	**2440**	x	mg/Kg	07/08/19	14:42	AW	440576
TPH as Motor Oil	SW8015B	30	190	600	ND		mg/Kg	07/08/19	14:42	AW	440576
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**0.000**	D	%	07/08/19	14:42	AW	440576

NOTE: x- Chromatographic pattern does not resemble typical diesel #2 reference standard (possible blended diesel fuel other than Diesel #2) but is fully integrated within the TPH as Diesel quantitation range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (15-16)	**Lab Sample ID:**	1907021-006B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/03/19	15:46	NP	440536
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	15:46	NP	440536
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	15:46	NP	440536
TBA	SW8260B	1	12	50	ND		ug/Kg	07/03/19	15:46	NP	440536
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	15:46	NP	440536
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/03/19	15:46	NP	440536
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/03/19	15:46	NP	440536
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/03/19	15:46	NP	440536
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	15:46	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (15-16)	**Lab Sample ID:**	1907021-006B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114570	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	15:46	NP	440536
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/03/19	15:46	NP	440536
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	15:46	NP	440536
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/03/19	15:46	NP	440536
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/03/19	15:46	NP	440536
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/03/19	15:46	NP	440536
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/03/19	15:46	NP	440536
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/03/19	15:46	NP	440536
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	07/03/19	15:46	NP	440536
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**108**		%	07/03/19	15:46	NP	440536
(S) Toluene-d8	SW8260B		55.2 - 133		**102**		%	07/03/19	15:46	NP	440536
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**101**		%	07/03/19	15:46	NP	440536

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/02/19, 3:50 pm
Date Reported: 07/09/19

Client Sample ID:	SS-6 (15-16)	**Lab Sample ID:**	1907021-006B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/3/19 9:19:00AM
Prep Batch ID:	1114571	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	07/03/19	15:46	NP	440536
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**90.5**		%	07/03/19	15:46	NP	440536

MB Summary Report

Work Order:	1907021	**Prep Method:**	3546_TPH	**Prep Date:**	07/03/19	**Prep Batch:**	1114540
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440576
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.85	2.0	0.898	
TPH as Motor Oil	3.2	10	ND	
Pentacosane (S)			85.9	

Work Order:	1907021	**Prep Method:**	7471BP	**Prep Date:**	07/03/19	**Prep Batch:**	1114543
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440560
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	

Work Order:	1907021	**Prep Method:**	3050B	**Prep Date:**	07/03/19	**Prep Batch:**	1114545
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	7/6/2019	**Analytical Batch:**	440532
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	ND	
Barium	0.055	5.00	ND	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	ND	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	1.30	0.26	
Molybdenum	0.050	5.00	ND	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	0.42	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907021	**Prep Method:**	5035	**Prep Date:**	07/03/19	**Prep Batch:**	1114570
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440536
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethylene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907021	**Prep Method:**	5035	**Prep Date:**	07/03/19	**Prep Batch:**	1114570
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440536
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	3.7	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	5.1	
1,2,3-Trichlorobenzene	1.7	10	1.9	
2-Butanone	2.3	10	ND	
4-Methyl-2-Pentanone	2.0	10	4.0	
(S) Dibromofluoromethane			106	
(S) Toluene-d8			96.9	
(S) 4-Bromofluorobenzene			95.6	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907021	**Prep Method:**	5035	**Prep Date:**	07/03/19	**Prep Batch:**	1114570
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440536
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	120	1000	ND		
Chloromethane	180	1000	ND		
Vinyl Chloride	200	1000	ND		
Bromomethane	270	1000	ND		
Chloroethane	300	1000	ND		
Trichlorofluoromethane	210	1000	ND		
1,1-Dichloroethene	200	1000	ND		
Freon 113	190	1000	ND		
Methylene Chloride	710	1000	ND		
trans-1,2-Dichloroethene	210	1000	ND		
MTBE	230	1000	ND		
TBA	1200	5000	ND		
Diisopropyl ether	230	1000	ND		
1,1-Dichloroethane	220	1000	ND		
Ethyl tert-Butyl ether	230	1000	ND		
cis-1,2-Dichloroethene	220	1000	ND		
2,2-Dichloropropane	190	1000	ND		
Bromochloromethane	230	1000	ND		
Chloroform	240	1000	ND		
Carbon Tetrachloride	210	1000	ND		
1,1,1-Trichloroethane	210	1000	ND		
1,1-Dichloropropene	200	1000	ND		
Benzene	220	1000	ND		
TAME	230	1000	ND		
1,2-Dichloroethane	230	1000	ND		
Trichloroethylene	180	1000	ND		
Dibromomethane	180	1000	ND		
1,2-Dichloropropane	190	1000	ND		
Bromodichloromethane	200	1000	ND		
cis-1,3-Dichloropropene	160	1000	ND		
Toluene	180	1000	ND		
Tetrachloroethylene	170	1000	ND		
trans-1,3-Dichloropropene	160	1000	ND		
1,1,2-Trichloroethane	180	1000	ND		
Dibromochloromethane	190	1000	ND		
1,3-Dichloropropane	180	1000	ND		
1,2-Dibromoethane	180	1000	ND		
Chlorobenzene	180	1000	ND		
Ethylbenzene	170	1000	ND		
1,1,1,2-Tetrachloroethane	190	1000	ND		
m,p-Xylene	320	1000	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907021	**Prep Method:**	5035	**Prep Date:**	07/03/19	**Prep Batch:**	1114570
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440536
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	170	1000	ND	
Styrene	160	1000	ND	
Bromoform	170	1000	ND	
Isopropyl Benzene	160	1000	ND	
n-Propylbenzene	160	1000	ND	
Bromobenzene	180	1000	ND	
1,1,2,2-Tetrachloroethane	190	1000	ND	
2-Chlorotoluene	180	1000	ND	
1,3,5-Trimethylbenzene	160	1000	ND	
1,2,3-Trichloropropane	190	1000	ND	
4-Chlorotoluene	160	1000	ND	
tert-Butylbenzene	160	1000	ND	
1,2,4-Trimethylbenzene	140	1000	ND	
sec-Butyl Benzene	160	1000	ND	
p-Isopropyltoluene	150	1000	ND	
1,3-Dichlorobenzene	170	1000	ND	
1,4-Dichlorobenzene	170	1000	ND	
n-Butylbenzene	150	1000	ND	
1,2-Dichlorobenzene	180	1000	ND	
1,2-Dibromo-3-Chloropropane	180	1000	340	
Hexachlorobutadiene	140	1000	ND	
1,2,4-Trichlorobenzene	150	1000	ND	
Naphthalene	170	1000	330	
1,2,3-Trichlorobenzene	170	1000	ND	
2-Butanone	230	1000	ND	
4-Methyl-2-Pentanone	200	1000	390	
(S) Dibromofluoromethane			101	
(S) Toluene-d8			99.6	
(S) 4-Bromofluorobenzene			98.1	

Work Order:	1907021	**Prep Method:**	5035GRO	**Prep Date:**	07/03/19	**Prep Batch:**	1114571
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440536
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	52	
(S) 4-Bromofluorobenzene			104	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907021	**Prep Method:**	5035GRO	**Prep Date:**	07/03/19	**Prep Batch:**	1114571
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440536
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH(Gasoline)	4300	10000	4500		
(S) 4-Bromofluorobenzene			111		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907021	**Prep Method:**	3546_TPH	**Prep Date:**	07/03/19	**Prep Batch:**	1114540
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440576
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	0.898	25.0	108	106	1.12	52 - 115	30	
Pentacosane (S)				200	91.0	89.2		59 - 129		

Work Order:	1907021	**Prep Method:**	7471BP	**Prep Date:**	07/03/19	**Prep Batch:**	1114543
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440560
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	108	108	0.738	80 - 120	30	

Work Order:	1907021	**Prep Method:**	3050B	**Prep Date:**	07/03/19	**Prep Batch:**	1114545
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	7/6/2019	**Analytical Batch:**	440532
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	93.5	93.2	0.428	80 - 120	30	
Arsenic	0.15	1.30	ND	50	93.4	93.2	0.214	80 - 120	30	
Barium	0.055	5.00	ND	50	97.0	99.3	2.44	80 - 120	30	
Beryllium	0.055	5.00	ND	50	99.3	99.8	0.402	80 - 120	30	
Cadmium	0.10	5.00	ND	50	99.8	99.4	0.402	80 - 120	30	
Chromium	0.075	5.00	ND	50	102	101	0.985	80 - 120	30	
Cobalt	0.070	5.00	ND	50	100	100	0.000	80 - 120	30	
Copper	0.20	5.00	ND	50	101	101	0.000	80 - 120	30	
Lead	0.10	3.00	0.26	50	99.9	101	0.995	80 - 120	30	
Molybdenum	0.050	5.00	ND	50	102	102	0.000	80 - 120	30	
Nickel	0.50	5.00	ND	50	99.9	99.5	0.401	80 - 120	30	
Selenium	0.22	5.00	ND	50	82.3	81.9	0.487	80 - 120	30	
Silver	0.15	5.00	ND	50	96.6	96.7	0.207	80 - 120	30	
Thallium	0.20	5.00	ND	50	95.8	95.7	0.000	80 - 120	30	
Vanadium	0.10	5.00	ND	50	101	101	0.000	80 - 120	30	
Zinc	0.30	5.00	0.42	50	93.8	93.9	0.213	80 - 120	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907021	**Prep Method:**	5035	**Prep Date:**	07/03/19	**Prep Batch:**	1114570
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440536
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	82.3	83.9	1.92	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	94.7	97.5	3.12	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	102	101	0.789	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	97.6	97.8	0.205	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	98.7	99.9	1.21	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	99.5	101		59.8 - 148		
(S) Toluene-d8				50.0	101	101		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	106	108		55.8 - 141		

Work Order:	1907021	**Prep Method:**	5035GRO	**Prep Date:**	07/03/19	**Prep Batch:**	1114571
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440536
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	52	1000	107	107	0.000	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	107	115		43.9 - 127		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907021	**Prep Method:**	3546_TPH	**Prep Date:**	07/03/19	**Prep Batch:**	1114540
Matrix:	**Soil**	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/4/2019	**Analytical Batch:**	440576
Spiked Sample:	1907021-003A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.850	2.00	2.03	25.0	86.3	88.8	2.51	52 - 115	30	
Pentacosane (S)				200	76.0	70.8		59 - 129		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Cornerstone(Walnut Creek)

Project Name: 1355 California Circle Ph I & II

Work Order No.: 1907021

Date and Time Received: 7/2/2019 3:50:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	4.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Login Summary Report

Client ID: TL5508 Cornerstone(Walnut Creek)
Project Name: 1355 California Circle Ph I & II
Project # : 648-19-1
Report Due Date: 7/9/2019

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 7/2/2019
Time Received: 3:50 pm

Comments:

Work Order # : ***1907021***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1907021-001A	SS-1 (0-0.5)	07/02/19 10:20	Soil	08/16/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B	
1907021-001B	SS-1 (0-0.5)	07/02/19 10:20	Soil	08/16/19			EN_VOC_8260B VOC_S_GRO	
1907021-002A	SS-2 (0-0.5)	07/02/19 10:46	Soil	12/29/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B	
1907021-002B	SS-2 (0-0.5)	07/02/19 10:46	Soil	12/29/19			EN_VOC_8260B VOC_S_GRO	
1907021-003A	SS-3 (0-0.5)	07/02/19 11:40	Soil	12/29/19			Hg_S_7471B Met_S_6010B CAM17 TPHDO_S_8015(Mod)	
1907021-003B	SS-3 (0-0.5)	07/02/19 11:40	Soil	12/29/19			EN_VOC_8260B VOC_S_GRO	
1907021-004A	SS-4 (0-0.5)	07/02/19 12:27	Soil	12/29/19			Hg_S_7471B Met_S_6010B CAM17 TPHDO_S_8015(Mod)	
1907021-004B	SS-4 (0-0.5)	07/02/19 12:27	Soil	12/29/19			EN_VOC_8260B VOC_S_GRO	
1907021-005A	SS-6 (0-0.5)	07/02/19 13:14	Soil	12/29/19			Hg_S_7471B Met_S_6010B CAM17 TPHDO_S_8015(Mod)	
1907021-005B	SS-6 (0-0.5)	07/02/19 13:14	Soil	12/29/19				

Login Summary Report

Client ID: TL5508 Cornerstone(Walnut Creek)
Project Name: 1355 California Circle Ph I & II
Project # : 648-19-1
Report Due Date: 7/9/2019

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 7/2/2019
Time Received: 3:50 pm

Comments:

Work Order # : ***1907021***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1907021-006A	SS-6 (15-16)	07/02/19 13:38	Soil	12/29/19			EN_VOC_8260B VOC_S_GRO Hg_S_7471B Met_S_6010B CAM17 TPHDO_S_8015(Mod)	
1907021-006B	SS-6 (15-16)	07/02/19 13:38	Soil	12/29/19			EN_VOC_8260B VOC_S_GRO	

Torrent LABORATORY, INC.

CORNERSTONE EARTH GROUP

Chain of Custody Record

190702/

	Project Manager:	Site Sampler: NKM	Date: 7/2/19	COC No: 1
Cornerstone Earth Group, Inc.	Tel/Fax: 925-988-9500 ext.	Lab Contact: Jane Ledrick	Lab: Torrent	____ of ____ COCs
1220 Oakland Boulevard, Suite 220	Analysis Turnaround Time			Laboratory's Job No.
Walnut Creek, CA 94596				
(925)-988-9500 Phone	TAT if different from Below ____			
(925)-988-9501 FAX	☐ 1 week			
Project Name:	☒ 3 days			
Site:	☐ 2 days			
Project Number:	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	17 CAM Metals (EPA 6010B / 7471A)	TPHg & VOCs (EPA 8260B)	TPHd/mo (EPA 8015)	Laboratory's Sample Specific Notes:
-001A/B SS-1 (0-0.5)	7/2/19	10:20	liner/cNS	Soil	4		X	X	X	
-002A/B SS-2 (0-0.5)	"	10:46	"	"	"		X	X	X	
-003A/B SS-3 (0-0.5)	"	11:40	"	"	"		X	X	X	
-004A/B SS-4 (0-0.5)	"	12:27	"	"	"		X	X	X	
-005A/B SS-6 (0-0.5)	"	13:14	"	"	"		X	X	X	
-006A/B SS-6 (15-16)	"	13:38	"	"	"		X	X	X	

Preservation Used: (1= Ice), 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner.

Please email results to: cheiny@cornerstoneearth.com, nmall@cornerstoneearth.com

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Natalie Mall	Cornerstone Earth Group	7-2-19 3:50		Torrent Lab	7/2/19 1550
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

DO Temp: 4° C#2

Cornerstone(Walnut Creek)
1220 Oakland Blvd
Suite 220
Walnut Creek, California 94596
Tel: 925 988 9500
Fax: 925 988 9501

RE: 1355 California Circle

Work Order No.: 1907025

Dear Chris Heiny:

Torrent Laboratory, Inc. received 6 sample(s) on July 03, 2019 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

July 10, 2019
Date

Date: 7/10/2019

Client: Cornerstone(Walnut Creek)

Project: 1355 California Circle

Work Order: 1907025

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date Received: 07/03/19
Date Reported: 07/10/19

SV-1 1907025-001

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Acetone	ETO15	1	0.40	12	12
Hexane	ETO15	1	0.46	1.8	3.2
Chloroform	ETO15	1	0.97	2.4	4.9
2-Butanone (MEK)	ETO15	1	0.39	1.5	2.3
Benzene	ETO15	1	0.44	1.6	1.6
TPH-Gasoline	TO-15	1	40	180	256

SV-2 1907025-002

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Acetone	ETO15	5	2.0	60	150
tert-Butanol	ETO15	5	3.1	7.6	7.6
Chloroform	ETO15	5	4.8	12	43
2-Butanone (MEK)	ETO15	5	1.9	7.4	38
TPH-Gasoline	TO-15	5	200	880	1130

SV-3 1907025-003

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Trichlorofluoromethane	ETO15	1	0.56	2.8	14
Acetone	ETO15	1	0.40	12	26
Hexane	ETO15	1	0.46	1.8	3.4
tert-Butanol	ETO15	1	0.62	1.5	7.1
2-Butanone (MEK)	ETO15	1	0.39	1.5	10
Benzene	ETO15	1	0.44	1.6	4.1
Toluene	ETO15	1	0.75	1.9	5.1
2-Hexanone	ETO15	1	0.65	2.1	8.6
m,p-Xylene	ETO15	1	0.98	2.2	2.6
TPH-Gasoline	TO-15	1	40	180	838

SV-4 1907025-004

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Hexane	ETO15	1	0.46	1.8	2.5
Chloroform	ETO15	1	0.97	2.4	11
2-Butanone (MEK)	ETO15	1	0.39	1.5	1.9

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date Received: 07/03/19
Date Reported: 07/10/19

SV-6 1907025-005

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	ETO15	10	3.7	16	34
Acetone	ETO15	10	4.0	120	290
Hexane	ETO15	10	4.6	18	32
2-Butanone (MEK)	ETO15	10	3.9	15	73
Benzene	ETO15	10	4.4	16	52
Toluene	ETO15	10	7.5	19	260
Ethyl Benzene	ETO15	10	6.3	22	55
m,p-Xylene	ETO15	10	9.8	22	220
o-Xylene	ETO15	10	3.0	22	65
4-Ethyl Toluene	ETO15	10	5.5	25	80
1,3,5-Trimethylbenzene	ETO15	10	3.0	25	34
1,2,4-Trimethylbenzene	ETO15	10	6.0	25	83
TPH-Gasoline	TO-15	10	400	1800	9590

SV-5 1907025-006

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	ETO15	5	1.9	7.8	25
Acetone	ETO15	5	2.0	60	190
Hexane	ETO15	5	2.3	8.8	14
2-Butanone (MEK)	ETO15	5	1.9	7.4	50
Benzene	ETO15	5	2.2	8.0	51
Toluene	ETO15	5	3.8	9.4	290
Ethyl Benzene	ETO15	5	3.1	11	42
m,p-Xylene	ETO15	5	4.9	11	160
o-Xylene	ETO15	5	1.5	11	46
4-Ethyl Toluene	ETO15	5	2.7	12	41
1,3,5-Trimethylbenzene	ETO15	5	1.5	12	14
1,2,4-Trimethylbenzene	ETO15	5	3.0	12	36
TPH-Gasoline	TO-15	5	200	880	3600

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-1	**Lab Sample ID:**	1907025-001A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:15	**Certified Clean WO # :**	
Canister/Tube ID:	A7483	**Received PSI :**	12.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		07/03/19	18:03	BP	440525
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		07/03/19	18:03	BP	440525
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		07/03/19	18:03	BP	440525
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		07/03/19	18:03	BP	440525
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		07/03/19	18:03	BP	440525
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		07/03/19	18:03	BP	440525
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		07/03/19	18:03	BP	440525
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		07/03/19	18:03	BP	440525
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		07/03/19	18:03	BP	440525
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		07/03/19	18:03	BP	440525
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		07/03/19	18:03	BP	440525
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		07/03/19	18:03	BP	440525
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		07/03/19	18:03	BP	440525
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		07/03/19	18:03	BP	440525
Acetone	ETO15	1.00	0.40	12	12	5.04		07/03/19	18:03	BP	440525
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		07/03/19	18:03	BP	440525
Hexane	ETO15	1.00	0.46	1.8	3.2	0.91		07/03/19	18:03	BP	440525
MTBE	ETO15	1.00	0.44	1.8	ND	ND		07/03/19	18:03	BP	440525
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		07/03/19	18:03	BP	440525
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		07/03/19	18:03	BP	440525
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		07/03/19	18:03	BP	440525
ETBE	ETO15	1.00	0.33	2.1	ND	ND		07/03/19	18:03	BP	440525
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		07/03/19	18:03	BP	440525
Chloroform	ETO15	1.00	0.97	2.4	4.9	1.00		07/03/19	18:03	BP	440525
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		07/03/19	18:03	BP	440525
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		07/03/19	18:03	BP	440525
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		07/03/19	18:03	BP	440525
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	2.3	0.78		07/03/19	18:03	BP	440525
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		07/03/19	18:03	BP	440525
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		07/03/19	18:03	BP	440525
Benzene	ETO15	1.00	0.44	1.6	1.6	0.50		07/03/19	18:03	BP	440525
TAME	ETO15	1.00	0.67	2.1	ND	ND		07/03/19	18:03	BP	440525
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		07/03/19	18:03	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-1	**Lab Sample ID:**	1907025-001A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:15	**Certified Clean WO # :**	
Canister/Tube ID:	A7483	**Received PSI :**	12.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		07/03/19	18:03	BP	440525
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		07/03/19	18:03	BP	440525
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		07/03/19	18:03	BP	440525
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		07/03/19	18:03	BP	440525
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		07/03/19	18:03	BP	440525
Toluene	ETO15	1.00	0.75	1.9	ND	ND		07/03/19	18:03	BP	440525
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		07/03/19	18:03	BP	440525
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		07/03/19	18:03	BP	440525
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		07/03/19	18:03	BP	440525
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		07/03/19	18:03	BP	440525
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		07/03/19	18:03	BP	440525
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		07/03/19	18:03	BP	440525
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		07/03/19	18:03	BP	440525
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		07/03/19	18:03	BP	440525
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		07/03/19	18:03	BP	440525
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		07/03/19	18:03	BP	440525
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		07/03/19	18:03	BP	440525
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		07/03/19	18:03	BP	440525
Styrene	ETO15	1.00	0.46	2.1	ND	ND		07/03/19	18:03	BP	440525
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		07/03/19	18:03	BP	440525
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		07/03/19	18:03	BP	440525
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		07/03/19	18:03	BP	440525
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		07/03/19	18:03	BP	440525
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		07/03/19	18:03	BP	440525
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		07/03/19	18:03	BP	440525
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		07/03/19	18:03	BP	440525
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		07/03/19	18:03	BP	440525
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		07/03/19	18:03	BP	440525
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		07/03/19	18:03	BP	440525
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		07/03/19	18:03	BP	440525
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	94 %			07/03/19	18:03	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-1	**Lab Sample ID:**	1907025-001A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:15	**Certified Clean WO # :**	
Canister/Tube ID:	A7483	**Received PSI :**	12.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-GRO	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114551	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
TPH-Gasoline	TO-15	1.00	40	180	256	72.73	x	07/03/19	18:03	BP	440525

NOTE: x – Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-2	**Lab Sample ID:**	1907025-002A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:54	**Certified Clean WO # :**	
Canister/Tube ID:	R3563	**Received PSI :**	12.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	5.00	7.8	12	ND	ND		07/03/19	18:27	BP	440525
1,1-Difluoroethane	ETO15	5.00	1.7	68	ND	ND		07/03/19	18:27	BP	440525
1,2-Dichlorotetrafluoroethane	ETO15	5.00	7.0	17	ND	ND		07/03/19	18:27	BP	440525
Chloromethane	ETO15	5.00	10	21	ND	ND		07/03/19	18:27	BP	440525
Vinyl Chloride	ETO15	5.00	1.1	6.4	ND	ND		07/03/19	18:27	BP	440525
1,3-Butadiene	ETO15	5.00	1.7	5.5	ND	ND		07/03/19	18:27	BP	440525
Bromomethane	ETO15	5.00	3.3	9.7	ND	ND		07/03/19	18:27	BP	440525
Chloroethane	ETO15	5.00	4.1	6.6	ND	ND		07/03/19	18:27	BP	440525
Trichlorofluoromethane	ETO15	5.00	2.8	14	ND	ND		07/03/19	18:27	BP	440525
1,1-Dichloroethene	ETO15	5.00	4.1	9.9	ND	ND		07/03/19	18:27	BP	440525
Freon 113	ETO15	5.00	5.1	19	ND	ND		07/03/19	18:27	BP	440525
Carbon Disulfide	ETO15	5.00	1.9	7.8	ND	ND		07/03/19	18:27	BP	440525
2-Propanol (Isopropyl Alcohol)	ETO15	5.00	6.4	62	ND	ND		07/03/19	18:27	BP	440525
Methylene Chloride	ETO15	5.00	3.5	52	ND	ND		07/03/19	18:27	BP	440525
Acetone	ETO15	5.00	2.0	60	150	63.03		07/03/19	18:27	BP	440525
trans-1,2-Dichloroethene	ETO15	5.00	2.4	9.9	ND	ND		07/03/19	18:27	BP	440525
Hexane	ETO15	5.00	2.3	8.8	ND	ND		07/03/19	18:27	BP	440525
MTBE	ETO15	5.00	2.2	9.0	ND	ND		07/03/19	18:27	BP	440525
tert-Butanol	ETO15	5.00	3.1	7.6	7.6	2.51		07/03/19	18:27	BP	440525
Diisopropyl ether (DIPE)	ETO15	5.00	3.7	10	ND	ND		07/03/19	18:27	BP	440525
1,1-Dichloroethane	ETO15	5.00	2.7	10	ND	ND		07/03/19	18:27	BP	440525
ETBE	ETO15	5.00	1.6	10	ND	ND		07/03/19	18:27	BP	440525
cis-1,2-Dichloroethene	ETO15	5.00	4.2	9.9	ND	ND		07/03/19	18:27	BP	440525
Chloroform	ETO15	5.00	4.8	12	43	8.81		07/03/19	18:27	BP	440525
Vinyl Acetate	ETO15	5.00	3.8	8.8	ND	ND		07/03/19	18:27	BP	440525
Carbon Tetrachloride	ETO15	5.00	5.5	16	ND	ND		07/03/19	18:27	BP	440525
1,1,1-Trichloroethane	ETO15	5.00	4.0	14	ND	ND		07/03/19	18:27	BP	440525
2-Butanone (MEK)	ETO15	5.00	1.9	7.4	38	12.88		07/03/19	18:27	BP	440525
Ethyl Acetate	ETO15	5.00	2.4	9.0	ND	ND		07/03/19	18:27	BP	440525
Tetrahydrofuran	ETO15	5.00	2.2	7.4	ND	ND		07/03/19	18:27	BP	440525
Benzene	ETO15	5.00	2.2	8.0	ND	ND		07/03/19	18:27	BP	440525
TAME	ETO15	5.00	3.4	10	ND	ND		07/03/19	18:27	BP	440525
1,2-Dichloroethane (EDC)	ETO15	5.00	2.1	10	ND	ND		07/03/19	18:27	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-2	**Lab Sample ID:**	1907025-002A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:54	**Certified Clean WO # :**	
Canister/Tube ID:	R3563	**Received PSI :**	12.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	5.00	4.0	13	ND	ND		07/03/19	18:27	BP	440525
1,2-Dichloropropane	ETO15	5.00	3.8	12	ND	ND		07/03/19	18:27	BP	440525
Bromodichloromethane	ETO15	5.00	3.7	17	ND	ND		07/03/19	18:27	BP	440525
1,4-Dioxane	ETO15	5.00	9.0	18	ND	ND		07/03/19	18:27	BP	440525
trans-1,3-Dichloropropene	ETO15	5.00	5.3	11	ND	ND		07/03/19	18:27	BP	440525
Toluene	ETO15	5.00	3.8	9.4	ND	ND		07/03/19	18:27	BP	440525
4-Methyl-2-Pentanone (MIBK)	ETO15	5.00	3.7	10	ND	ND		07/03/19	18:27	BP	440525
cis-1,3-Dichloropropene	ETO15	5.00	2.1	11	ND	ND		07/03/19	18:27	BP	440525
Tetrachloroethylene	ETO15	5.00	7.3	17	ND	ND		07/03/19	18:27	BP	440525
1,1,2-Trichloroethane	ETO15	5.00	2.9	14	ND	ND		07/03/19	18:27	BP	440525
Dibromochloromethane	ETO15	5.00	5.6	21	ND	ND		07/03/19	18:27	BP	440525
1,2-Dibromoethane (EDB)	ETO15	5.00	3.7	19	ND	ND		07/03/19	18:27	BP	440525
2-Hexanone	ETO15	5.00	3.3	10	ND	ND		07/03/19	18:27	BP	440525
Ethyl Benzene	ETO15	5.00	3.1	11	ND	ND		07/03/19	18:27	BP	440525
Chlorobenzene	ETO15	5.00	3.0	12	ND	ND		07/03/19	18:27	BP	440525
1,1,1,2-Tetrachloroethane	ETO15	5.00	4.2	17	ND	ND		07/03/19	18:27	BP	440525
m,p-Xylene	ETO15	5.00	4.9	11	ND	ND		07/03/19	18:27	BP	440525
o-Xylene	ETO15	5.00	1.5	11	ND	ND		07/03/19	18:27	BP	440525
Styrene	ETO15	5.00	2.3	11	ND	ND		07/03/19	18:27	BP	440525
Bromoform	ETO15	5.00	6.5	26	ND	ND		07/03/19	18:27	BP	440525
1,1,2,2-Tetrachloroethane	ETO15	5.00	4.1	17	ND	ND		07/03/19	18:27	BP	440525
4-Ethyl Toluene	ETO15	5.00	2.7	12	ND	ND		07/03/19	18:27	BP	440525
1,3,5-Trimethylbenzene	ETO15	5.00	1.5	12	ND	ND		07/03/19	18:27	BP	440525
1,2,4-Trimethylbenzene	ETO15	5.00	3.0	12	ND	ND		07/03/19	18:27	BP	440525
1,4-Dichlorobenzene	ETO15	5.00	3.7	15	ND	ND		07/03/19	18:27	BP	440525
1,3-Dichlorobenzene	ETO15	5.00	6.7	15	ND	ND		07/03/19	18:27	BP	440525
1,2-Dichlorobenzene	ETO15	5.00	5.3	15	ND	ND		07/03/19	18:27	BP	440525
Hexachlorobutadiene	ETO15	5.00	9.3	27	ND	ND		07/03/19	18:27	BP	440525
1,2,4-Trichlorobenzene	ETO15	5.00	11	19	ND	ND		07/03/19	18:27	BP	440525
Naphthalene	ETO15	5.00	6.4	13	ND	ND		07/03/19	18:27	BP	440525
(S) 4-Bromofluorobenzene	ETO15	5.00	50	150	93 %			07/03/19	18:27	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-2	**Lab Sample ID:**	1907025-002A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:54	**Certified Clean WO # :**	
Canister/Tube ID:	R3563	**Received PSI :**	12.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-GRO	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114551	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
TPH-Gasoline	TO-15	5.00	200	880	1130	321.02	x	07/03/19	18:27	BP	440525

NOTE: x – Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-3	**Lab Sample ID:**	1907025-003A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	R3589	**Received PSI :**	12.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		07/03/19	19:15	BP	440525
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		07/03/19	19:15	BP	440525
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		07/03/19	19:15	BP	440525
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		07/03/19	19:15	BP	440525
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		07/03/19	19:15	BP	440525
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		07/03/19	19:15	BP	440525
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		07/03/19	19:15	BP	440525
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		07/03/19	19:15	BP	440525
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	14	2.49		07/03/19	19:15	BP	440525
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		07/03/19	19:15	BP	440525
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		07/03/19	19:15	BP	440525
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		07/03/19	19:15	BP	440525
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		07/03/19	19:15	BP	440525
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		07/03/19	19:15	BP	440525
Acetone	ETO15	1.00	0.40	12	26	10.92		07/03/19	19:15	BP	440525
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		07/03/19	19:15	BP	440525
Hexane	ETO15	1.00	0.46	1.8	3.4	0.97		07/03/19	19:15	BP	440525
MTBE	ETO15	1.00	0.44	1.8	ND	ND		07/03/19	19:15	BP	440525
tert-Butanol	ETO15	1.00	0.62	1.5	7.1	2.34		07/03/19	19:15	BP	440525
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		07/03/19	19:15	BP	440525
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		07/03/19	19:15	BP	440525
ETBE	ETO15	1.00	0.33	2.1	ND	ND		07/03/19	19:15	BP	440525
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		07/03/19	19:15	BP	440525
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		07/03/19	19:15	BP	440525
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		07/03/19	19:15	BP	440525
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		07/03/19	19:15	BP	440525
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		07/03/19	19:15	BP	440525
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	10	3.39		07/03/19	19:15	BP	440525
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		07/03/19	19:15	BP	440525
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		07/03/19	19:15	BP	440525
Benzene	ETO15	1.00	0.44	1.6	4.1	1.29		07/03/19	19:15	BP	440525
TAME	ETO15	1.00	0.67	2.1	ND	ND		07/03/19	19:15	BP	440525
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		07/03/19	19:15	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-3	**Lab Sample ID:**	1907025-003A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	R3589	**Received PSI :**	12.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		07/03/19	19:15	BP	440525
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		07/03/19	19:15	BP	440525
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		07/03/19	19:15	BP	440525
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		07/03/19	19:15	BP	440525
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		07/03/19	19:15	BP	440525
Toluene	ETO15	1.00	0.75	1.9	5.1	1.35		07/03/19	19:15	BP	440525
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		07/03/19	19:15	BP	440525
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		07/03/19	19:15	BP	440525
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		07/03/19	19:15	BP	440525
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		07/03/19	19:15	BP	440525
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		07/03/19	19:15	BP	440525
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		07/03/19	19:15	BP	440525
2-Hexanone	ETO15	1.00	0.65	2.1	8.6	2.10		07/03/19	19:15	BP	440525
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		07/03/19	19:15	BP	440525
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		07/03/19	19:15	BP	440525
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		07/03/19	19:15	BP	440525
m,p-Xylene	ETO15	1.00	0.98	2.2	2.6	0.60		07/03/19	19:15	BP	440525
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		07/03/19	19:15	BP	440525
Styrene	ETO15	1.00	0.46	2.1	ND	ND		07/03/19	19:15	BP	440525
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		07/03/19	19:15	BP	440525
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		07/03/19	19:15	BP	440525
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		07/03/19	19:15	BP	440525
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		07/03/19	19:15	BP	440525
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		07/03/19	19:15	BP	440525
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		07/03/19	19:15	BP	440525
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		07/03/19	19:15	BP	440525
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		07/03/19	19:15	BP	440525
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		07/03/19	19:15	BP	440525
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		07/03/19	19:15	BP	440525
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		07/03/19	19:15	BP	440525
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	96 %			07/03/19	19:15	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-3	**Lab Sample ID:**	1907025-003A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	R3589	**Received PSI :**	12.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-GRO	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114551	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
TPH-Gasoline	TO-15	1.00	40	180	838	238.07	x	07/03/19	19:15	BP	440525

NOTE: x – Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-4	**Lab Sample ID:**	1907025-004A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 14:27	**Certified Clean WO # :**	
Canister/Tube ID:	6119	**Received PSI :**	12.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		07/03/19	23:41	BP	440525
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		07/03/19	23:41	BP	440525
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		07/03/19	23:41	BP	440525
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		07/03/19	23:41	BP	440525
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		07/03/19	23:41	BP	440525
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		07/03/19	23:41	BP	440525
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		07/03/19	23:41	BP	440525
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		07/03/19	23:41	BP	440525
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		07/03/19	23:41	BP	440525
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		07/03/19	23:41	BP	440525
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		07/03/19	23:41	BP	440525
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		07/03/19	23:41	BP	440525
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		07/03/19	23:41	BP	440525
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		07/03/19	23:41	BP	440525
Acetone	ETO15	1.00	0.40	12	ND	ND		07/03/19	23:41	BP	440525
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		07/03/19	23:41	BP	440525
Hexane	ETO15	1.00	0.46	1.8	2.5	0.71		07/03/19	23:41	BP	440525
MTBE	ETO15	1.00	0.44	1.8	ND	ND		07/03/19	23:41	BP	440525
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		07/03/19	23:41	BP	440525
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		07/03/19	23:41	BP	440525
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		07/03/19	23:41	BP	440525
ETBE	ETO15	1.00	0.33	2.1	ND	ND		07/03/19	23:41	BP	440525
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		07/03/19	23:41	BP	440525
Chloroform	ETO15	1.00	0.97	2.4	11	2.25		07/03/19	23:41	BP	440525
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		07/03/19	23:41	BP	440525
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		07/03/19	23:41	BP	440525
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		07/03/19	23:41	BP	440525
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	1.9	0.64		07/03/19	23:41	BP	440525
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		07/03/19	23:41	BP	440525
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		07/03/19	23:41	BP	440525
Benzene	ETO15	1.00	0.44	1.6	ND	ND		07/03/19	23:41	BP	440525
TAME	ETO15	1.00	0.67	2.1	ND	ND		07/03/19	23:41	BP	440525
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		07/03/19	23:41	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-4	**Lab Sample ID:**	1907025-004A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 14:27	**Certified Clean WO # :**	
Canister/Tube ID:	6119	**Received PSI :**	12.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		07/03/19	23:41	BP	440525
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		07/03/19	23:41	BP	440525
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		07/03/19	23:41	BP	440525
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		07/03/19	23:41	BP	440525
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		07/03/19	23:41	BP	440525
Toluene	ETO15	1.00	0.75	1.9	ND	ND		07/03/19	23:41	BP	440525
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		07/03/19	23:41	BP	440525
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		07/03/19	23:41	BP	440525
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		07/03/19	23:41	BP	440525
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		07/03/19	23:41	BP	440525
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		07/03/19	23:41	BP	440525
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		07/03/19	23:41	BP	440525
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		07/03/19	23:41	BP	440525
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		07/03/19	23:41	BP	440525
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		07/03/19	23:41	BP	440525
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		07/03/19	23:41	BP	440525
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		07/03/19	23:41	BP	440525
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		07/03/19	23:41	BP	440525
Styrene	ETO15	1.00	0.46	2.1	ND	ND		07/03/19	23:41	BP	440525
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		07/03/19	23:41	BP	440525
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		07/03/19	23:41	BP	440525
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		07/03/19	23:41	BP	440525
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		07/03/19	23:41	BP	440525
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		07/03/19	23:41	BP	440525
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		07/03/19	23:41	BP	440525
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		07/03/19	23:41	BP	440525
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		07/03/19	23:41	BP	440525
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		07/03/19	23:41	BP	440525
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		07/03/19	23:41	BP	440525
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		07/03/19	23:41	BP	440525
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	98 %			07/03/19	23:41	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-4	**Lab Sample ID:**	1907025-004A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 14:27	**Certified Clean WO # :**	
Canister/Tube ID:	6119	**Received PSI :**	12.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-GRO	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114551	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
TPH-Gasoline	TO-15	1.00	40	180	ND	ND		07/03/19	23:41	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-6	**Lab Sample ID:**	1907025-005A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:17	**Certified Clean WO # :**	
Canister/Tube ID:	N3959	**Received PSI :**	10.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	10.00	16	25	ND	ND		07/03/19	22:13	BP	440525
1,1-Difluoroethane	ETO15	10.00	3.5	140	ND	ND		07/03/19	22:13	BP	440525
1,2-Dichlorotetrafluoroethane	ETO15	10.00	14	35	ND	ND		07/03/19	22:13	BP	440525
Chloromethane	ETO15	10.00	20	41	ND	ND		07/03/19	22:13	BP	440525
Vinyl Chloride	ETO15	10.00	2.3	13	ND	ND		07/03/19	22:13	BP	440525
1,3-Butadiene	ETO15	10.00	3.4	11	ND	ND		07/03/19	22:13	BP	440525
Bromomethane	ETO15	10.00	6.6	19	ND	ND		07/03/19	22:13	BP	440525
Chloroethane	ETO15	10.00	8.1	13	ND	ND		07/03/19	22:13	BP	440525
Trichlorofluoromethane	ETO15	10.00	5.6	28	ND	ND		07/03/19	22:13	BP	440525
1,1-Dichloroethene	ETO15	10.00	8.3	20	ND	ND		07/03/19	22:13	BP	440525
Freon 113	ETO15	10.00	10	38	ND	ND		07/03/19	22:13	BP	440525
Carbon Disulfide	ETO15	10.00	3.7	16	34	10.93		07/03/19	22:13	BP	440525
2-Propanol (Isopropyl Alcohol)	ETO15	10.00	13	120	ND	ND		07/03/19	22:13	BP	440525
Methylene Chloride	ETO15	10.00	7.0	100	ND	ND		07/03/19	22:13	BP	440525
Acetone	ETO15	10.00	4.0	120	290	121.85		07/03/19	22:13	BP	440525
trans-1,2-Dichloroethene	ETO15	10.00	4.8	20	ND	ND		07/03/19	22:13	BP	440525
Hexane	ETO15	10.00	4.6	18	32	9.09		07/03/19	22:13	BP	440525
MTBE	ETO15	10.00	4.4	18	ND	ND		07/03/19	22:13	BP	440525
tert-Butanol	ETO15	10.00	6.2	15	ND	ND		07/03/19	22:13	BP	440525
Diisopropyl ether (DIPE)	ETO15	10.00	7.4	21	ND	ND		07/03/19	22:13	BP	440525
1,1-Dichloroethane	ETO15	10.00	5.4	20	ND	ND		07/03/19	22:13	BP	440525
ETBE	ETO15	10.00	3.3	21	ND	ND		07/03/19	22:13	BP	440525
cis-1,2-Dichloroethene	ETO15	10.00	8.3	20	ND	ND		07/03/19	22:13	BP	440525
Chloroform	ETO15	10.00	9.7	24	ND	ND		07/03/19	22:13	BP	440525
Vinyl Acetate	ETO15	10.00	7.6	18	ND	ND		07/03/19	22:13	BP	440525
Carbon Tetrachloride	ETO15	10.00	11	31	ND	ND		07/03/19	22:13	BP	440525
1,1,1-Trichloroethane	ETO15	10.00	7.9	27	ND	ND		07/03/19	22:13	BP	440525
2-Butanone (MEK)	ETO15	10.00	3.9	15	73	24.75		07/03/19	22:13	BP	440525
Ethyl Acetate	ETO15	10.00	4.8	18	ND	ND		07/03/19	22:13	BP	440525
Tetrahydrofuran	ETO15	10.00	4.5	15	ND	ND		07/03/19	22:13	BP	440525
Benzene	ETO15	10.00	4.4	16	52	16.30		07/03/19	22:13	BP	440525
TAME	ETO15	10.00	6.7	21	ND	ND		07/03/19	22:13	BP	440525
1,2-Dichloroethane (EDC)	ETO15	10.00	4.2	20	ND	ND		07/03/19	22:13	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-6	**Lab Sample ID:**	1907025-005A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:17	**Certified Clean WO # :**	
Canister/Tube ID:	N3959	**Received PSI :**	10.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	10.00	8.1	27	ND	ND		07/03/19	22:13	BP	440525
1,2-Dichloropropane	ETO15	10.00	7.6	23	ND	ND		07/03/19	22:13	BP	440525
Bromodichloromethane	ETO15	10.00	7.4	34	ND	ND		07/03/19	22:13	BP	440525
1,4-Dioxane	ETO15	10.00	18	36	ND	ND		07/03/19	22:13	BP	440525
trans-1,3-Dichloropropene	ETO15	10.00	11	23	ND	ND		07/03/19	22:13	BP	440525
Toluene	ETO15	10.00	7.5	19	260	68.97		07/03/19	22:13	BP	440525
4-Methyl-2-Pentanone (MIBK)	ETO15	10.00	7.5	21	ND	ND		07/03/19	22:13	BP	440525
cis-1,3-Dichloropropene	ETO15	10.00	4.2	23	ND	ND		07/03/19	22:13	BP	440525
Tetrachloroethylene	ETO15	10.00	15	34	ND	ND		07/03/19	22:13	BP	440525
1,1,2-Trichloroethane	ETO15	10.00	5.8	27	ND	ND		07/03/19	22:13	BP	440525
Dibromochloromethane	ETO15	10.00	11	43	ND	ND		07/03/19	22:13	BP	440525
1,2-Dibromoethane (EDB)	ETO15	10.00	7.4	38	ND	ND		07/03/19	22:13	BP	440525
2-Hexanone	ETO15	10.00	6.5	21	ND	ND		07/03/19	22:13	BP	440525
Ethyl Benzene	ETO15	10.00	6.3	22	55	12.67		07/03/19	22:13	BP	440525
Chlorobenzene	ETO15	10.00	6.0	23	ND	ND		07/03/19	22:13	BP	440525
1,1,1,2-Tetrachloroethane	ETO15	10.00	8.4	34	ND	ND		07/03/19	22:13	BP	440525
m,p-Xylene	ETO15	10.00	9.8	22	220	50.69		07/03/19	22:13	BP	440525
o-Xylene	ETO15	10.00	3.0	22	65	14.98		07/03/19	22:13	BP	440525
Styrene	ETO15	10.00	4.6	21	ND	ND		07/03/19	22:13	BP	440525
Bromoform	ETO15	10.00	13	52	ND	ND		07/03/19	22:13	BP	440525
1,1,2,2-Tetrachloroethane	ETO15	10.00	8.2	34	ND	ND		07/03/19	22:13	BP	440525
4-Ethyl Toluene	ETO15	10.00	5.5	25	80	16.26		07/03/19	22:13	BP	440525
1,3,5-Trimethylbenzene	ETO15	10.00	3.0	25	34	6.91		07/03/19	22:13	BP	440525
1,2,4-Trimethylbenzene	ETO15	10.00	6.0	25	83	16.87		07/03/19	22:13	BP	440525
1,4-Dichlorobenzene	ETO15	10.00	7.5	30	ND	ND		07/03/19	22:13	BP	440525
1,3-Dichlorobenzene	ETO15	10.00	13	30	ND	ND		07/03/19	22:13	BP	440525
1,2-Dichlorobenzene	ETO15	10.00	11	30	ND	ND		07/03/19	22:13	BP	440525
Hexachlorobutadiene	ETO15	10.00	19	53	ND	ND		07/03/19	22:13	BP	440525
1,2,4-Trichlorobenzene	ETO15	10.00	22	37	ND	ND		07/03/19	22:13	BP	440525
Naphthalene	ETO15	10.00	13	26	ND	ND		07/03/19	22:13	BP	440525
(S) 4-Bromofluorobenzene	ETO15	10.00	50	150	110 %			07/03/19	22:13	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-6	**Lab Sample ID:**	1907025-005A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 11:17	**Certified Clean WO # :**	
Canister/Tube ID:	N3959	**Received PSI :**	10.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-GRO	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114551	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
TPH-Gasoline	TO-15	10.00	400	1800	9590	2,724.43		07/03/19	22:13	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-5	**Lab Sample ID:**	1907025-006A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:04	**Certified Clean WO # :**	
Canister/Tube ID:	A11734	**Received PSI :**	11.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	5.00	7.8	12	ND	ND		07/03/19	22:39	BP	440525
1,1-Difluoroethane	ETO15	5.00	1.7	68	ND	ND		07/03/19	22:39	BP	440525
1,2-Dichlorotetrafluoroethane	ETO15	5.00	7.0	17	ND	ND		07/03/19	22:39	BP	440525
Chloromethane	ETO15	5.00	10	21	ND	ND		07/03/19	22:39	BP	440525
Vinyl Chloride	ETO15	5.00	1.1	6.4	ND	ND		07/03/19	22:39	BP	440525
1,3-Butadiene	ETO15	5.00	1.7	5.5	ND	ND		07/03/19	22:39	BP	440525
Bromomethane	ETO15	5.00	3.3	9.7	ND	ND		07/03/19	22:39	BP	440525
Chloroethane	ETO15	5.00	4.1	6.6	ND	ND		07/03/19	22:39	BP	440525
Trichlorofluoromethane	ETO15	5.00	2.8	14	ND	ND		07/03/19	22:39	BP	440525
1,1-Dichloroethene	ETO15	5.00	4.1	9.9	ND	ND		07/03/19	22:39	BP	440525
Freon 113	ETO15	5.00	5.1	19	ND	ND		07/03/19	22:39	BP	440525
Carbon Disulfide	ETO15	5.00	1.9	7.8	25	8.04		07/03/19	22:39	BP	440525
2-Propanol (Isopropyl Alcohol)	ETO15	5.00	6.4	62	ND	ND		07/03/19	22:39	BP	440525
Methylene Chloride	ETO15	5.00	3.5	52	ND	ND		07/03/19	22:39	BP	440525
Acetone	ETO15	5.00	2.0	60	190	79.83		07/03/19	22:39	BP	440525
trans-1,2-Dichloroethene	ETO15	5.00	2.4	9.9	ND	ND		07/03/19	22:39	BP	440525
Hexane	ETO15	5.00	2.3	8.8	14	3.98		07/03/19	22:39	BP	440525
MTBE	ETO15	5.00	2.2	9.0	ND	ND		07/03/19	22:39	BP	440525
tert-Butanol	ETO15	5.00	3.1	7.6	ND	ND		07/03/19	22:39	BP	440525
Diisopropyl ether (DIPE)	ETO15	5.00	3.7	10	ND	ND		07/03/19	22:39	BP	440525
1,1-Dichloroethane	ETO15	5.00	2.7	10	ND	ND		07/03/19	22:39	BP	440525
ETBE	ETO15	5.00	1.6	10	ND	ND		07/03/19	22:39	BP	440525
cis-1,2-Dichloroethene	ETO15	5.00	4.2	9.9	ND	ND		07/03/19	22:39	BP	440525
Chloroform	ETO15	5.00	4.8	12	ND	ND		07/03/19	22:39	BP	440525
Vinyl Acetate	ETO15	5.00	3.8	8.8	ND	ND		07/03/19	22:39	BP	440525
Carbon Tetrachloride	ETO15	5.00	5.5	16	ND	ND		07/03/19	22:39	BP	440525
1,1,1-Trichloroethane	ETO15	5.00	4.0	14	ND	ND		07/03/19	22:39	BP	440525
2-Butanone (MEK)	ETO15	5.00	1.9	7.4	50	16.95		07/03/19	22:39	BP	440525
Ethyl Acetate	ETO15	5.00	2.4	9.0	ND	ND		07/03/19	22:39	BP	440525
Tetrahydrofuran	ETO15	5.00	2.2	7.4	ND	ND		07/03/19	22:39	BP	440525
Benzene	ETO15	5.00	2.2	8.0	51	15.99		07/03/19	22:39	BP	440525
TAME	ETO15	5.00	3.4	10	ND	ND		07/03/19	22:39	BP	440525
1,2-Dichloroethane (EDC)	ETO15	5.00	2.1	10	ND	ND		07/03/19	22:39	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-5	**Lab Sample ID:**	1907025-006A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:04	**Certified Clean WO # :**	
Canister/Tube ID:	A11734	**Received PSI :**	11.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114550	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	5.00	4.0	13	ND	ND		07/03/19	22:39	BP	440525
1,2-Dichloropropane	ETO15	5.00	3.8	12	ND	ND		07/03/19	22:39	BP	440525
Bromodichloromethane	ETO15	5.00	3.7	17	ND	ND		07/03/19	22:39	BP	440525
1,4-Dioxane	ETO15	5.00	9.0	18	ND	ND		07/03/19	22:39	BP	440525
trans-1,3-Dichloropropene	ETO15	5.00	5.3	11	ND	ND		07/03/19	22:39	BP	440525
Toluene	ETO15	5.00	3.8	9.4	290	76.92		07/03/19	22:39	BP	440525
4-Methyl-2-Pentanone (MIBK)	ETO15	5.00	3.7	10	ND	ND		07/03/19	22:39	BP	440525
cis-1,3-Dichloropropene	ETO15	5.00	2.1	11	ND	ND		07/03/19	22:39	BP	440525
Tetrachloroethylene	ETO15	5.00	7.3	17	ND	ND		07/03/19	22:39	BP	440525
1,1,2-Trichloroethane	ETO15	5.00	2.9	14	ND	ND		07/03/19	22:39	BP	440525
Dibromochloromethane	ETO15	5.00	5.6	21	ND	ND		07/03/19	22:39	BP	440525
1,2-Dibromoethane (EDB)	ETO15	5.00	3.7	19	ND	ND		07/03/19	22:39	BP	440525
2-Hexanone	ETO15	5.00	3.3	10	ND	ND		07/03/19	22:39	BP	440525
Ethyl Benzene	ETO15	5.00	3.1	11	42	9.68		07/03/19	22:39	BP	440525
Chlorobenzene	ETO15	5.00	3.0	12	ND	ND		07/03/19	22:39	BP	440525
1,1,1,2-Tetrachloroethane	ETO15	5.00	4.2	17	ND	ND		07/03/19	22:39	BP	440525
m,p-Xylene	ETO15	5.00	4.9	11	160	36.87		07/03/19	22:39	BP	440525
o-Xylene	ETO15	5.00	1.5	11	46	10.60		07/03/19	22:39	BP	440525
Styrene	ETO15	5.00	2.3	11	ND	ND		07/03/19	22:39	BP	440525
Bromoform	ETO15	5.00	6.5	26	ND	ND		07/03/19	22:39	BP	440525
1,1,2,2-Tetrachloroethane	ETO15	5.00	4.1	17	ND	ND		07/03/19	22:39	BP	440525
4-Ethyl Toluene	ETO15	5.00	2.7	12	41	8.33		07/03/19	22:39	BP	440525
1,3,5-Trimethylbenzene	ETO15	5.00	1.5	12	14	2.85		07/03/19	22:39	BP	440525
1,2,4-Trimethylbenzene	ETO15	5.00	3.0	12	36	7.32		07/03/19	22:39	BP	440525
1,4-Dichlorobenzene	ETO15	5.00	3.7	15	ND	ND		07/03/19	22:39	BP	440525
1,3-Dichlorobenzene	ETO15	5.00	6.7	15	ND	ND		07/03/19	22:39	BP	440525
1,2-Dichlorobenzene	ETO15	5.00	5.3	15	ND	ND		07/03/19	22:39	BP	440525
Hexachlorobutadiene	ETO15	5.00	9.3	27	ND	ND		07/03/19	22:39	BP	440525
1,2,4-Trichlorobenzene	ETO15	5.00	11	19	ND	ND		07/03/19	22:39	BP	440525
Naphthalene	ETO15	5.00	6.4	13	ND	ND		07/03/19	22:39	BP	440525
(S) 4-Bromofluorobenzene	ETO15	5.00	50	150	100 %			07/03/19	22:39	BP	440525

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 2:10 pm
Date Reported: 07/10/19

Client Sample ID:	SV-5	**Lab Sample ID:**	1907025-006A
Project Name/Location:	1355 California Circle	**Sample Matrix:**	Air
Project Number:	648-19-1		
Date/Time Sampled:	07/02/19 / 12:04	**Certified Clean WO # :**	
Canister/Tube ID:	A11734	**Received PSI :**	11.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-GRO	**Prep Batch Date/Time:**	7/3/19	6:43:00AM
Prep Batch ID:	1114551	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
TPH-Gasoline	TO-15	5.00	200	880	3600	1,022.73		07/03/19	22:39	BP	440525

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907025	**Prep Method:**	TO15-P	**Prep Date:**	07/03/19	**Prep Batch:**	1114550
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440525
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	0.15	
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND	
Chloromethane	0.99	2.0	ND	
Vinyl Chloride	0.088	0.50	ND	
1,3-Butadiene	0.15	0.50	ND	
Bromomethane	0.17	0.50	0.26	
Chloroethane	0.31	0.50	ND	
Trichlorofluoromethane	0.099	0.50	ND	
1,1-Dichloroethene	0.21	0.50	ND	
Freon 113	0.13	0.50	ND	
Carbon Disulfide	0.12	0.50	ND	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND	
Methylene Chloride	0.20	3.0	ND	
Acetone	0.17	5.0	ND	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	ND	
Ethyl Acetate	0.13	0.50	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907025	**Prep Method:**	TO15-P	**Prep Date:**	07/03/19	**Prep Batch:**	1114550
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440525
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
1,1,2-Trichloroethane	0.11	0.50	ND	
Dibromochloromethane	0.13	0.50	ND	
1,2-Dibromoethane (EDB)	0.096	0.50	ND	
2-Hexanone	0.16	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
Chlorobenzene	0.13	0.50	ND	
1,1,1,2-Tetrachloroethane	0.12	0.50	ND	
m,p-Xylene	0.23	0.50	ND	
o-Xylene	0.070	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.13	0.50	ND	
1,1,2,2-Tetrachloroethane	0.12	0.50	ND	
4-Ethyl Toluene	0.11	0.50	ND	
1,3,5-Trimethylbenzene	0.061	0.50	ND	
1,2,4-Trimethylbenzene	0.12	0.50	ND	
1,4-Dichlorobenzene	0.12	0.50	ND	
1,3-Dichlorobenzene	0.22	0.50	ND	
1,2-Dichlorobenzene	0.18	0.50	ND	
Hexachlorobutadiene	0.17	0.50	ND	
1,2,4-Trichlorobenzene	0.29	0.50	ND	
Naphthalene	0.24	0.50	ND	
Cyclohexane	0.50	0.50	ND	
Benzyl Chloride	0.20	0.50	ND	
Heptane	0.13	0.50	ND	
(S) 4-Bromofluorobenzene			98	

Work Order:	1907025	**Prep Method:**	TO15-GRO	**Prep Date:**	07/03/19	**Prep Batch:**	1114551
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440525
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH-Gasoline	11	50	17	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907025	**Prep Method:**	TO15-P	**Prep Date:**	07/03/19	**Prep Batch:**	1114550
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	7/3/2019	**Analytical Batch:**	440525
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	126	129	1.96	65 - 135	30	
Benzene	0.14	0.50	0.15	8.00	98.4	98.3	0.127	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	104	104	0.120	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	92.3	92.5	0.271	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	95.4	95.0	0.394	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	95.0	94.0		50 - 150		

Work Order:	1907025	**Prep Method:**	TO15-GRO	**Prep Date:**	07/03/19	**Prep Batch:**	1114551
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	7/4/2019	**Analytical Batch:**	440525
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH-Gasoline	11	50	17	500	104	99.4	4.52	65 - 135	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Cornerstone(Walnut Creek)

Project Name: 1355 California Circle

Work Order No.: 1907025

Date and Time Received: 7/3/2019 2:10:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	N/A

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Summa canisters received at ambient temperature.

Login Summary Report

Client ID: TL5508 Cornerstone(Walnut Creek)
Project Name: 1355 California Circle
Project # : 648-19-1
Report Due Date: 7/10/2019

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 7/3/2019
Time Received: 2:10 pm

Comments:

Work Order # : ***1907025***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1907025-001A	SV-1	07/02/19 12:15	Air				VOC_A_TO15 VOC_A_TO15GRO	
1907025-002A	SV-2	07/02/19 12:54	Air				VOC_A_TO15 VOC_A_TO15GRO	
1907025-003A	SV-3	07/02/19 13:38	Air				VOC_A_TO15 VOC_A_TO15GRO	
1907025-004A	SV-4	07/02/19 14:27	Air				VOC_A_TO15 VOC_A_TO15GRO	
1907025-005A	SV-6	07/02/19 11:17	Air				VOC_A_TO15 VOC_A_TO15GRO	
1907025-006A	SV-5	07/02/19 12:04	Air				VOC_A_TO15 VOC_A_TO15GRO	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1907025

Company Name: Cornerstone Earth Group ☐ ☑ Env. ☐ Special | Project #: 648-19-1 | PO #:

Address: 1220 Oakland Blvd Suite 220 | Project Name: 1355 California Circle

City: Walnut Creek | State: CA | Zip Code: 94596 | Comments:

Telephone: 925 988 9500 | Cell: | SAMPLER: Ross Tinline | Quote #:

REPORT TO: Chris Heing | BILL TO: Same | EMAIL: cheing@cornerstoneearth.com

TURNAROUND TIME:
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☒ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Indoor Air
☐ Ambient Air
☒ Soil/Gas Vapor
☐ Other

REPORT FORMAT:
☐ Level II - Std.
☐ Excel - EDD
☐ EDF ☐ Std.-EDD
☐ QC Level III
☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller #	TO 15 incl. TPHg. for VOCs	TO 15 SIM	TO 17				REMARKS
001A	SV-1	7/2/19 12:09-12:15	SV	1	1L Summa	A7483	30	4	E73	X						
002A	SV-2	7/2/19 1247-1254				R3563	30	3	E55	X						
003A	SV-3	7/2/19 1332-1338				R3589	29	4	E14	X						
004A	SV-4	7/2/19 1419-1427				6119	29	4	E47	X						
005A	SV-6	7/3/19 1106-1117				N3959	29	6	E62	X						
006A	SV-5	7/3/19 1158-1204				A11734	30	4.5	E117	X						

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		Ross Tinline	7/3/19	1410		Helena Wong	7/3/19	1410
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☒ Yes ☐ NO | Samples on Ice? ☐ Yes ☒ NO | Method of Shipment DW | Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Summas received at ambient temp.

Log In By:_____ Date: _____ Labeled By:_____ Date: _____ Temp _____ °C Page ____ of ____ Rev 1

Cornerstone(Walnut Creek)
1220 Oakland Blvd
Suite 220
Walnut Creek, California 94596
Tel: 925 988 9500
Fax: 925 988 9501

RE: 1355 California Circle Ph I & II

Work Order No.: 1907033

Dear Chris Heiny:

Torrent Laboratory, Inc. received 3 sample(s) on July 03, 2019 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

July 10, 2019
Date

Date: 7/10/2019

Client: Cornerstone(Walnut Creek)

Project: 1355 California Circle Ph I & II

Work Order: 1907033

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date Received: 07/03/19
Date Reported: 07/10/19

GW-5 1907033-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.037	0.10	0.156	mg/L

GW-7 1907033-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Benzene	SW8260B	1.17	0.076	0.59	0.094	ug/L

GW-8 1907033-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-5	**Lab Sample ID:**	1907033-001A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 9:34		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	7/8/19	6:15:00PM
Prep Batch ID:	1114589	**Prep Analyst:**	AWAL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	**0.156**	x	mg/L	07/08/19	20:10	AW	440572
TPH as Motor Oil	SW8015B	1	0.11	0.40	ND		mg/L	07/08/19	20:10	AW	440572
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**95.4**		%	07/08/19	20:10	AW	440572

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-5	**Lab Sample ID:**	1907033-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 9:34		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/8/19 10:20:00AM
Prep Batch ID:	1114610	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	1.14	0.30	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Chloromethane	SW8260B	1.14	0.19	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Vinyl Chloride	SW8260B	1.14	0.24	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Bromomethane	SW8260B	1.14	0.24	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Chloroethane	SW8260B	1.14	0.13	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Trichlorofluoromethane	SW8260B	1.14	0.21	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,1-Dichloroethene	SW8260B	1.14	0.16	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Freon 113	SW8260B	1.14	0.39	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Methylene Chloride	SW8260B	1.14	0.15	1.1	ND		ug/L	07/08/19	19:10	NP	440566
trans-1,2-Dichloroethene	SW8260B	1.14	0.19	0.57	ND		ug/L	07/08/19	19:10	NP	440566
MTBE	SW8260B	1.14	0.088	0.57	ND		ug/L	07/08/19	19:10	NP	440566
tert-Butanol	SW8260B	1.14	3.4	5.7	ND		ug/L	07/08/19	19:10	NP	440566
DIPE	SW8260B	1.14	0.14	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,1-Dichloroethane	SW8260B	1.14	0.14	0.57	ND		ug/L	07/08/19	19:10	NP	440566
ETBE	SW8260B	1.14	0.073	0.57	ND		ug/L	07/08/19	19:10	NP	440566
cis-1,2-Dichloroethene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	19:10	NP	440566
2,2-Dichloropropane	SW8260B	1.14	0.11	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Bromochloromethane	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Chloroform	SW8260B	1.14	0.14	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Carbon Tetrachloride	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,1,1-Trichloroethane	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,1-Dichloropropene	SW8260B	1.14	0.21	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Benzene	SW8260B	1.14	0.074	0.57	ND		ug/L	07/08/19	19:10	NP	440566
TAME	SW8260B	1.14	0.082	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,2-Dichloroethane	SW8260B	1.14	0.12	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Trichloroethylene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Dibromomethane	SW8260B	1.14	0.12	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,2-Dichloropropane	SW8260B	1.14	0.10	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Bromodichloromethane	SW8260B	1.14	0.087	0.57	ND		ug/L	07/08/19	19:10	NP	440566
cis-1,3-Dichloropropene	SW8260B	1.14	0.089	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Toluene	SW8260B	1.14	0.16	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Tetrachloroethylene	SW8260B	1.14	0.27	0.57	ND		ug/L	07/08/19	19:10	NP	440566
trans-1,3-Dichloropropene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,1,2-Trichloroethane	SW8260B	1.14	0.087	0.57	ND		ug/L	07/08/19	19:10	NP	440566

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-5	**Lab Sample ID:**	1907033-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 9:34		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/8/19	10:20:00AM
Prep Batch ID:	1114610	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dibromochloromethane	SW8260B	1.14	0.21	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,3-Dichloropropane	SW8260B	1.14	0.25	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,2-Dibromoethane	SW8260B	1.14	0.090	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Chlorobenzene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Ethylbenzene	SW8260B	1.14	0.22	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,1,1,2-Tetrachloroethane	SW8260B	1.14	0.099	0.57	ND		ug/L	07/08/19	19:10	NP	440566
m,p-Xylene	SW8260B	1.14	0.45	1.1	ND		ug/L	07/08/19	19:10	NP	440566
o-Xylene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Styrene	SW8260B	1.14	0.12	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Bromoform	SW8260B	1.14	0.087	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Isopropyl Benzene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/08/19	19:10	NP	440566
n-Propylbenzene	SW8260B	1.14	0.34	0.57	ND		ug/L	07/08/19	19:10	NP	440566
Bromobenzene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,1,2,2-Tetrachloroethane	SW8260B	1.14	0.090	0.57	ND		ug/L	07/08/19	19:10	NP	440566
2-Chlorotoluene	SW8260B	1.14	0.29	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,3,5-Trimethylbenzene	SW8260B	1.14	0.28	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,2,3-Trichloropropane	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	19:10	NP	440566
4-Chlorotoluene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/08/19	19:10	NP	440566
tert-Butylbenzene	SW8260B	1.14	0.30	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,2,4-Trimethylbenzene	SW8260B	1.14	0.26	0.57	ND		ug/L	07/08/19	19:10	NP	440566
sec-Butyl Benzene	SW8260B	1.14	0.34	0.57	ND		ug/L	07/08/19	19:10	NP	440566
p-Isopropyltoluene	SW8260B	1.14	0.30	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,3-Dichlorobenzene	SW8260B	1.14	0.19	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,4-Dichlorobenzene	SW8260B	1.14	0.20	0.57	ND		ug/L	07/08/19	19:10	NP	440566
n-Butylbenzene	SW8260B	1.14	0.31	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,2-Dichlorobenzene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	19:10	NP	440566
1,2-Dibromo-3-Chloropropane	SW8260B	1.14	0.87	2.3	ND		ug/L	07/08/19	19:10	NP	440566
Hexachlorobutadiene	SW8260B	1.14	0.70	2.3	ND		ug/L	07/08/19	19:10	NP	440566
1,2,4-Trichlorobenzene	SW8260B	1.14	1.1	2.3	ND		ug/L	07/08/19	19:10	NP	440566
Naphthalene	SW8260B	1.14	1.4	2.3	ND		ug/L	07/08/19	19:10	NP	440566
1,2,3-Trichlorobenzene	SW8260B	1.14	1.4	2.3	ND		ug/L	07/08/19	19:10	NP	440566
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**108**		%	07/08/19	19:10	NP	440566
(S) Toluene-d8	SW8260B		75.1 - 127		**95.3**		%	07/08/19	19:10	NP	440566
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**99.6**		%	07/08/19	19:10	NP	440566

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-5	**Lab Sample ID:**	1907033-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 9:34		
SDG:			

NOTE: Reporting limits were raised due to sediment in all VOAs. Results reported to the MDL.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-5	**Lab Sample ID:**	1907033-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 9:34		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	7/8/19	10:20:00AM
Prep Batch ID:	1114611	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1.14	33	57	ND		ug/L	07/08/19	19:10	NP	440566
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**111**		%	07/08/19	19:10	NP	440566

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-7	**Lab Sample ID:**	1907033-002A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 12:33		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	7/8/19	6:15:00PM
Prep Batch ID:	1114589	**Prep Analyst:**	AWAL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	ND		mg/L	07/08/19	20:34	AW	440572
TPH as Motor Oil	SW8015B	1	0.11	0.40	ND		mg/L	07/08/19	20:34	AW	440572
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**99.9**		%	07/08/19	20:34	AW	440572

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-7	**Lab Sample ID:**	1907033-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 12:33		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/8/19 10:20:00AM
Prep Batch ID:	1114610	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	1.17	0.31	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Chloromethane	SW8260B	1.17	0.20	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Vinyl Chloride	SW8260B	1.17	0.24	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Bromomethane	SW8260B	1.17	0.25	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Chloroethane	SW8260B	1.17	0.13	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Trichlorofluoromethane	SW8260B	1.17	0.22	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,1-Dichloroethene	SW8260B	1.17	0.17	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Freon 113	SW8260B	1.17	0.40	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Methylene Chloride	SW8260B	1.17	0.15	1.2	ND		ug/L	07/08/19	19:39	NP	440566
trans-1,2-Dichloroethene	SW8260B	1.17	0.19	0.59	ND		ug/L	07/08/19	19:39	NP	440566
MTBE	SW8260B	1.17	0.090	0.59	ND		ug/L	07/08/19	19:39	NP	440566
tert-Butanol	SW8260B	1.17	3.4	5.9	ND		ug/L	07/08/19	19:39	NP	440566
DIPE	SW8260B	1.17	0.14	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,1-Dichloroethane	SW8260B	1.17	0.14	0.59	ND		ug/L	07/08/19	19:39	NP	440566
ETBE	SW8260B	1.17	0.075	0.59	ND		ug/L	07/08/19	19:39	NP	440566
cis-1,2-Dichloroethene	SW8260B	1.17	0.18	0.59	ND		ug/L	07/08/19	19:39	NP	440566
2,2-Dichloropropane	SW8260B	1.17	0.11	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Bromochloromethane	SW8260B	1.17	0.17	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Chloroform	SW8260B	1.17	0.14	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Carbon Tetrachloride	SW8260B	1.17	0.18	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,1,1-Trichloroethane	SW8260B	1.17	0.19	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,1-Dichloropropene	SW8260B	1.17	0.22	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Benzene	SW8260B	1.17	0.076	0.59	**0.094**	J	ug/L	07/08/19	19:39	NP	440566
TAME	SW8260B	1.17	0.084	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,2-Dichloroethane	SW8260B	1.17	0.13	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Trichloroethylene	SW8260B	1.17	0.17	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Dibromomethane	SW8260B	1.17	0.13	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,2-Dichloropropane	SW8260B	1.17	0.10	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Bromodichloromethane	SW8260B	1.17	0.089	0.59	ND		ug/L	07/08/19	19:39	NP	440566
cis-1,3-Dichloropropene	SW8260B	1.17	0.091	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Toluene	SW8260B	1.17	0.17	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Tetrachloroethylene	SW8260B	1.17	0.28	0.59	ND		ug/L	07/08/19	19:39	NP	440566
trans-1,3-Dichloropropene	SW8260B	1.17	0.25	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,1,2-Trichloroethane	SW8260B	1.17	0.089	0.59	ND		ug/L	07/08/19	19:39	NP	440566

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-7	**Lab Sample ID:**	1907033-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 12:33		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/8/19	10:20:00AM
Prep Batch ID:	1114610	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dibromochloromethane	SW8260B	1.17	0.21	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,3-Dichloropropane	SW8260B	1.17	0.25	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,2-Dibromoethane	SW8260B	1.17	0.092	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Chlorobenzene	SW8260B	1.17	0.19	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Ethylbenzene	SW8260B	1.17	0.23	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,1,1,2-Tetrachloroethane	SW8260B	1.17	0.10	0.59	ND		ug/L	07/08/19	19:39	NP	440566
m,p-Xylene	SW8260B	1.17	0.46	1.2	ND		ug/L	07/08/19	19:39	NP	440566
o-Xylene	SW8260B	1.17	0.18	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Styrene	SW8260B	1.17	0.13	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Bromoform	SW8260B	1.17	0.089	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Isopropyl Benzene	SW8260B	1.17	0.25	0.59	ND		ug/L	07/08/19	19:39	NP	440566
n-Propylbenzene	SW8260B	1.17	0.35	0.59	ND		ug/L	07/08/19	19:39	NP	440566
Bromobenzene	SW8260B	1.17	0.17	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,1,2,2-Tetrachloroethane	SW8260B	1.17	0.092	0.59	ND		ug/L	07/08/19	19:39	NP	440566
2-Chlorotoluene	SW8260B	1.17	0.29	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,3,5-Trimethylbenzene	SW8260B	1.17	0.28	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,2,3-Trichloropropane	SW8260B	1.17	0.17	0.59	ND		ug/L	07/08/19	19:39	NP	440566
4-Chlorotoluene	SW8260B	1.17	0.25	0.59	ND		ug/L	07/08/19	19:39	NP	440566
tert-Butylbenzene	SW8260B	1.17	0.31	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,2,4-Trimethylbenzene	SW8260B	1.17	0.27	0.59	ND		ug/L	07/08/19	19:39	NP	440566
sec-Butyl Benzene	SW8260B	1.17	0.35	0.59	ND		ug/L	07/08/19	19:39	NP	440566
p-Isopropyltoluene	SW8260B	1.17	0.31	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,3-Dichlorobenzene	SW8260B	1.17	0.20	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,4-Dichlorobenzene	SW8260B	1.17	0.20	0.59	ND		ug/L	07/08/19	19:39	NP	440566
n-Butylbenzene	SW8260B	1.17	0.32	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,2-Dichlorobenzene	SW8260B	1.17	0.19	0.59	ND		ug/L	07/08/19	19:39	NP	440566
1,2-Dibromo-3-Chloropropane	SW8260B	1.17	0.89	2.3	ND		ug/L	07/08/19	19:39	NP	440566
Hexachlorobutadiene	SW8260B	1.17	0.72	2.3	ND		ug/L	07/08/19	19:39	NP	440566
1,2,4-Trichlorobenzene	SW8260B	1.17	1.1	2.3	ND		ug/L	07/08/19	19:39	NP	440566
Naphthalene	SW8260B	1.17	1.4	2.3	ND		ug/L	07/08/19	19:39	NP	440566
1,2,3-Trichlorobenzene	SW8260B	1.17	1.4	2.3	ND		ug/L	07/08/19	19:39	NP	440566
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**103**		%	07/08/19	19:39	NP	440566
(S) Toluene-d8	SW8260B		75.1 - 127		**95.6**		%	07/08/19	19:39	NP	440566
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**97.6**		%	07/08/19	19:39	NP	440566

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-7	**Lab Sample ID:**	1907033-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 12:33		
SDG:			

NOTE: Reporting limits were raised due to sediment in all VOAs. Results reported to the MDL.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-7	**Lab Sample ID:**	1907033-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 12:33		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	7/8/19	10:20:00AM
Prep Batch ID:	1114611	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1.17	34	59	ND		ug/L	07/08/19	19:39	NP	440566
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**98.0**		%	07/08/19	19:39	NP	440566

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-8	**Lab Sample ID:**	1907033-003A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:09		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	7/8/19 6:15:00PM
Prep Batch ID:	1114589	**Prep Analyst:**	AWAL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	ND		mg/L	07/08/19	20:59	AW	440572
TPH as Motor Oil	SW8015B	1	0.11	0.40	ND		mg/L	07/08/19	20:59	AW	440572
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**87.6**		%	07/08/19	20:59	AW	440572

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-8	**Lab Sample ID:**	1907033-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:09		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/8/19 10:20:00AM
Prep Batch ID:	1114610	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	1.14	0.30	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Chloromethane	SW8260B	1.14	0.19	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Vinyl Chloride	SW8260B	1.14	0.24	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Bromomethane	SW8260B	1.14	0.24	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Chloroethane	SW8260B	1.14	0.13	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Trichlorofluoromethane	SW8260B	1.14	0.21	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,1-Dichloroethene	SW8260B	1.14	0.16	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Freon 113	SW8260B	1.14	0.39	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Methylene Chloride	SW8260B	1.14	0.15	1.1	ND		ug/L	07/08/19	20:08	NP	440566
trans-1,2-Dichloroethene	SW8260B	1.14	0.19	0.57	ND		ug/L	07/08/19	20:08	NP	440566
MTBE	SW8260B	1.14	0.088	0.57	ND		ug/L	07/08/19	20:08	NP	440566
tert-Butanol	SW8260B	1.14	3.4	5.7	ND		ug/L	07/08/19	20:08	NP	440566
DIPE	SW8260B	1.14	0.14	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,1-Dichloroethane	SW8260B	1.14	0.14	0.57	ND		ug/L	07/08/19	20:08	NP	440566
ETBE	SW8260B	1.14	0.073	0.57	ND		ug/L	07/08/19	20:08	NP	440566
cis-1,2-Dichloroethene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	20:08	NP	440566
2,2-Dichloropropane	SW8260B	1.14	0.11	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Bromochloromethane	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Chloroform	SW8260B	1.14	0.14	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Carbon Tetrachloride	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,1,1-Trichloroethane	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,1-Dichloropropene	SW8260B	1.14	0.21	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Benzene	SW8260B	1.14	0.074	0.57	ND		ug/L	07/08/19	20:08	NP	440566
TAME	SW8260B	1.14	0.082	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,2-Dichloroethane	SW8260B	1.14	0.12	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Trichloroethylene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Dibromomethane	SW8260B	1.14	0.12	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,2-Dichloropropane	SW8260B	1.14	0.10	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Bromodichloromethane	SW8260B	1.14	0.087	0.57	ND		ug/L	07/08/19	20:08	NP	440566
cis-1,3-Dichloropropene	SW8260B	1.14	0.089	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Toluene	SW8260B	1.14	0.16	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Tetrachloroethylene	SW8260B	1.14	0.27	0.57	ND		ug/L	07/08/19	20:08	NP	440566
trans-1,3-Dichloropropene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,1,2-Trichloroethane	SW8260B	1.14	0.087	0.57	ND		ug/L	07/08/19	20:08	NP	440566

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-8	**Lab Sample ID:**	1907033-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:09		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/8/19	10:20:00AM
Prep Batch ID:	1114610	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dibromochloromethane	SW8260B	1.14	0.21	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,3-Dichloropropane	SW8260B	1.14	0.25	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,2-Dibromoethane	SW8260B	1.14	0.090	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Chlorobenzene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Ethylbenzene	SW8260B	1.14	0.22	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,1,1,2-Tetrachloroethane	SW8260B	1.14	0.099	0.57	ND		ug/L	07/08/19	20:08	NP	440566
m,p-Xylene	SW8260B	1.14	0.45	1.1	ND		ug/L	07/08/19	20:08	NP	440566
o-Xylene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Styrene	SW8260B	1.14	0.12	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Bromoform	SW8260B	1.14	0.087	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Isopropyl Benzene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/08/19	20:08	NP	440566
n-Propylbenzene	SW8260B	1.14	0.34	0.57	ND		ug/L	07/08/19	20:08	NP	440566
Bromobenzene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,1,2,2-Tetrachloroethane	SW8260B	1.14	0.090	0.57	ND		ug/L	07/08/19	20:08	NP	440566
2-Chlorotoluene	SW8260B	1.14	0.29	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,3,5-Trimethylbenzene	SW8260B	1.14	0.28	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,2,3-Trichloropropane	SW8260B	1.14	0.17	0.57	ND		ug/L	07/08/19	20:08	NP	440566
4-Chlorotoluene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/08/19	20:08	NP	440566
tert-Butylbenzene	SW8260B	1.14	0.30	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,2,4-Trimethylbenzene	SW8260B	1.14	0.26	0.57	ND		ug/L	07/08/19	20:08	NP	440566
sec-Butyl Benzene	SW8260B	1.14	0.34	0.57	ND		ug/L	07/08/19	20:08	NP	440566
p-Isopropyltoluene	SW8260B	1.14	0.30	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,3-Dichlorobenzene	SW8260B	1.14	0.19	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,4-Dichlorobenzene	SW8260B	1.14	0.20	0.57	ND		ug/L	07/08/19	20:08	NP	440566
n-Butylbenzene	SW8260B	1.14	0.31	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,2-Dichlorobenzene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/08/19	20:08	NP	440566
1,2-Dibromo-3-Chloropropane	SW8260B	1.14	0.87	2.3	ND		ug/L	07/08/19	20:08	NP	440566
Hexachlorobutadiene	SW8260B	1.14	0.70	2.3	ND		ug/L	07/08/19	20:08	NP	440566
1,2,4-Trichlorobenzene	SW8260B	1.14	1.1	2.3	ND		ug/L	07/08/19	20:08	NP	440566
Naphthalene	SW8260B	1.14	1.4	2.3	ND		ug/L	07/08/19	20:08	NP	440566
1,2,3-Trichlorobenzene	SW8260B	1.14	1.4	2.3	ND		ug/L	07/08/19	20:08	NP	440566
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**100**		%	07/08/19	20:08	NP	440566
(S) Toluene-d8	SW8260B		75.1 - 127		**96.5**		%	07/08/19	20:08	NP	440566
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**95.3**		%	07/08/19	20:08	NP	440566

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-8	**Lab Sample ID:**	1907033-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:09		
SDG:			

NOTE: Reporting limits were raised due to sediment in all VOAs. Results reported to the MDL.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	GW-8	**Lab Sample ID:**	1907033-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Water
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:09		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	7/8/19	10:20:00AM
Prep Batch ID:	1114611	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1.14	33	57	ND		ug/L	07/08/19	20:08	NP	440566
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**115**		%	07/08/19	20:08	NP	440566

NOTE: Reporting limits were raised due to sediment in all VOAs.

MB Summary Report

Work Order:	1907033	**Prep Method:**	3510_TPH	**Prep Date:**	07/08/19	**Prep Batch:**	1114589
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440572
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.037	0.10	0.0540	
TPH as Motor Oil	0.11	0.40	ND	
Pentacosane (S)			94.3	

Work Order:	1907033	**Prep Method:**	5030VOC	**Prep Date:**	07/08/19	**Prep Batch:**	1114610
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440566
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	1.0	ND	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	2.9	5.0	ND	
DIPE	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	
Chloroform	0.12	0.50	ND	
Carbon Tetrachloride	0.16	0.50	ND	
1,1,1-Trichloroethane	0.16	0.50	ND	
1,1-Dichloropropene	0.19	0.50	ND	
Benzene	0.065	0.50	ND	
TAME	0.072	0.50	ND	
1,2-Dichloroethane	0.11	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
Dibromomethane	0.11	0.50	ND	
1,2-Dichloropropane	0.089	0.50	ND	
Bromodichloromethane	0.076	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907033	**Prep Method:**	5030VOC	**Prep Date:**	07/08/19	**Prep Batch:**	1114610
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440566
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
cis-1,3-Dichloropropene	0.078	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.24	0.50	ND	
trans-1,3-Dichloropropene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.076	0.50	ND	
Dibromochloromethane	0.18	0.50	ND	
1,3-Dichloropropane	0.22	0.50	ND	
1,2-Dibromoethane	0.079	0.50	ND	
Chlorobenzene	0.16	0.50	ND	
Ethylbenzene	0.20	0.50	ND	
1,1,1,2-Tetrachloroethane	0.087	0.50	ND	
m,p-Xylene	0.39	1.0	ND	
o-Xylene	0.15	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	ND	
Isopropyl Benzene	0.22	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.079	0.50	ND	
2-Chlorotoluene	0.25	0.50	ND	
1,3,5-Trimethylbenzene	0.24	0.50	ND	
1,2,3-Trichloropropane	0.15	0.50	ND	
4-Chlorotoluene	0.22	0.50	ND	
tert-Butylbenzene	0.26	0.50	ND	
1,2,4-Trimethylbenzene	0.23	0.50	ND	
sec-Butyl Benzene	0.30	0.50	ND	
p-Isopropyltoluene	0.27	0.50	ND	
1,3-Dichlorobenzene	0.17	0.50	ND	
1,4-Dichlorobenzene	0.18	0.50	ND	
n-Butylbenzene	0.27	0.50	ND	
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			107	
(S) Toluene-d8			94.7	
(S) 4-Bromofluorobenzene			99.8	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907033	**Prep Method:**	5030GRO	**Prep Date:**	07/08/19	**Prep Batch:**	1114611
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440566
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH(Gasoline)	29	50	37		
(S) 4-Bromofluorobenzene			109		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907033	**Prep Method:**	3510_TPH	**Prep Date:**	07/08/19	**Prep Batch:**	1114589
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440572
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.037	0.10	0.0540	1.0	95.8	85.0	11.9	52 - 115	30	
Pentacosane (S)				200	101	91.4		59 - 129		

Work Order:	1907033	**Prep Method:**	5030VOC	**Prep Date:**	07/08/19	**Prep Batch:**	1114610
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440566
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	91.4	92.3	1.22	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	87.9	89.3	1.89	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	77.6	81.5	4.91	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	86.6	89.0	2.55	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	81.3	86.1	6.02	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	92.1	94.4		61.2 - 131		
(S) Toluene-d8				17.9	92.5	97.5		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	96.2	95.7		64.1 - 120		

Work Order:	1907033	**Prep Method:**	5030GRO	**Prep Date:**	07/08/19	**Prep Batch:**	1114611
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440566
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	29	50	37	238	98.2	101	2.53	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	80.6	95.2		41.5 - 125		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Cornerstone(Walnut Creek)

Project Name: 1355 California Circle Ph I & II

Work Order No.: 1907033

Date and Time Received: 7/3/2019 1:28:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes		
Container/Temp Blank temperature in compliance?		Temperature:	10.0 °C
Water-VOA vials have zero headspace?	Yes		
Water-pH acceptable upon receipt?	N/A		

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Sample chilling begun.

Login Summary Report

Client ID: TL5508 Cornerstone(Walnut Creek)
Project Name: 1355 California Circle Ph I & II
Project # : 648-19-1
Report Due Date: 7/10/2019

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 7/3/2019
Time Received: 1:28 pm

Comments:

Work Order # : ***1907033***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1907033-001A	GW-5	07/03/19 9:34	Water	08/17/19			TPHDO_W_8015B(M)	
1907033-001B	GW-5	07/03/19 9:34	Water	08/17/19			VOC_W_8260B VOC_W_GRO	
1907033-002A	GW-7	07/03/19 12:33	Water	08/17/19			TPHDO_W_8015B(M)	
1907033-002B	GW-7	07/03/19 12:33	Water	08/17/19			VOC_W_8260B VOC_W_GRO	
1907033-003A	GW-8	07/03/19 11:09	Water	08/17/19			TPHDO_W_8015B(M)	
1907033-003B	GW-8	07/03/19 11:09	Water	08/17/19			VOC_W_8260B VOC_W_GRO	

Torrent LABORATORY, INC.

CORNERSTONE EARTH GROUP

Chain of Custody Record

1907033

	Project Manager:	Site Sampler: NKM	Date: 7/3/2019
Cornerstone Earth Group, Inc.	Tel/Fax: 925-988-9500 ext.	Lab Contact: Jane Ladrech	Lab: Torrent
1220 Oakland Boulevard, Suite 220	Analysis Turnaround Time		
Walnut Creek, CA 94596			
(925)-988-9500 Phone	TAT if different from Below _____		
(925)-988-9501 FAX	☐ 1 week		
Project Name: 1355 California Circle Ph I & II	☒ 3 days		
Site: 1355 California Circle, Milpitas	☐ 2 days		
Project Number: 648-19-1	☐ 1 day		

COC No: 2 _____ of _____ COCs

Laboratory's Job No.

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	17 CAM Metals (EPA 6010B / 7471A)	TPHg and VOCs (EPA 8260B)	TPH d/mo (EPA 8015)	PCBs (EPA 8082)	OCPs (EPA 8081)	SVOCs (EPA 8270C)	STLC - Extract and Hold	TCLP - Extract and Hold	HOLD	Laboratory's Sample Specific Notes:
-001A/B GW-5	7/3/19	9:34	AMBERS/VOAs	Water	5			x	x							
-002A/B GW-7	1	12:33	1	1	1			x	x							
-003A/B GW-8	1	11:09	1	1	1			x	x							

Preservation Used: 1=Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other 1

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: Please email results to: cheiny@cornerstoneearth.com, nmall@cornerstoneearth.com

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Natalie Mall	Cornerstone Earth Group	7/3/19 13:28		Torrent Laboratory	7/3/19 1328
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Temp = 10°C #2 Sample chilling began

Cornerstone(Walnut Creek)
1220 Oakland Blvd
Suite 220
Walnut Creek, California 94596
Tel: 925 988 9500
Fax: 925 988 9501

RE: 1355 California Circle Ph I & II

Work Order No.: 1907034

Dear Chris Heiny:

Torrent Laboratory, Inc. received 6 sample(s) on July 03, 2019 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

July 10, 2019
Date

Date: 7/10/2019

Client: Cornerstone(Walnut Creek)

Project: 1355 California Circle Ph I & II

Work Order: 1907034

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Note: for 8260B/GCMS-GRO: Final result & MDL/PQL (Detection Limit/Reporting limit) have been corrected for actual mass removed from the Encore container.

Analytical Comments for method 6010B, 1907034-005 MS/MSD, QC Analytical Preparation ID 1114590, Note:The % recoveries for Barium are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date Received: 07/03/19
Date Reported: 07/10/19

SS-5 (0-0.5) 1907034-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	3.43	mg/Kg
Barium	SW6010B	1	0.055	5.00	80.2	mg/Kg
Chromium	SW6010B	1	0.075	5.00	29.1	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	7.96	mg/Kg
Copper	SW6010B	1	0.20	5.00	18.3	mg/Kg
Lead	SW6010B	1	0.10	3.00	6.21	mg/Kg
Nickel	SW6010B	1	0.50	5.00	39.3	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	24.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	41.0	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	10.6	mg/Kg

SS-7 (0-0.5) 1907034-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	4.75	mg/Kg
Barium	SW6010B	1	0.055	5.00	103	mg/Kg
Chromium	SW6010B	1	0.075	5.00	44.4	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	24.1	mg/Kg
Lead	SW6010B	1	0.10	3.00	15.6	mg/Kg
Nickel	SW6010B	1	0.50	5.00	73.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	36.7	mg/Kg
Zinc	SW6010B	1	0.30	5.00	48.7	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.91	mg/Kg

SS-8 (0-0.5) 1907034-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	5.00	mg/Kg
Barium	SW6010B	1	0.055	5.00	159	mg/Kg
Chromium	SW6010B	1	0.075	5.00	33.4	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.36	mg/Kg
Copper	SW6010B	1	0.20	5.00	21.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	8.01	mg/Kg
Nickel	SW6010B	1	0.50	5.00	54.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	30.2	mg/Kg
Zinc	SW6010B	1	0.30	5.00	53.9	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.38	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	14.5	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date Received: 07/03/19
Date Reported: 07/10/19

SS-5 (11-12) 1907034-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	4.95	mg/Kg
Barium	SW6010B	1	0.055	5.00	67.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	60.2	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.25	mg/Kg
Copper	SW6010B	1	0.20	5.00	13.2	mg/Kg
Lead	SW6010B	1	0.10	3.00	4.75	mg/Kg
Nickel	SW6010B	1	0.50	5.00	69.9	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	25.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	32.7	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.11	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	10.8	mg/Kg

SS-7 (15-16) 1907034-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	6.11	mg/Kg
Barium	SW6010B	1	0.055	5.00	185	mg/Kg
Chromium	SW6010B	1	0.075	5.00	45.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.90	mg/Kg
Copper	SW6010B	1	0.20	5.00	21.2	mg/Kg
Lead	SW6010B	1	0.10	3.00	5.27	mg/Kg
Nickel	SW6010B	1	0.50	5.00	57.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	36.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	44.7	mg/Kg
TPH as Diesel	SW8015B	2	1.7	4.0	48.5	mg/Kg
TPH as Motor Oil	SW8015B	2	6.4	20	98.6	mg/Kg

SS-8 (15-16) 1907034-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	7.54	mg/Kg
Barium	SW6010B	1	0.055	5.00	194	mg/Kg
Chromium	SW6010B	1	0.075	5.00	41.7	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.7	mg/Kg
Copper	SW6010B	1	0.20	5.00	21.8	mg/Kg
Lead	SW6010B	1	0.10	3.00	5.57	mg/Kg
Nickel	SW6010B	1	0.50	5.00	57.1	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	41.7	mg/Kg
Zinc	SW6010B	1	0.30	5.00	42.8	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (0-0.5)	**Lab Sample ID:**	1907034-001A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:54		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114595	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/09/19	14:23	BJAY	440564

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (0-0.5)	**Lab Sample ID:**	1907034-001A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:54		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114590	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:01	PPATEL	440591
Arsenic	SW6010B	1	0.15	1.30	**3.43**		mg/Kg	07/09/19	18:01	PPATEL	440591
Barium	SW6010B	1	0.055	5.00	**80.2**		mg/Kg	07/09/19	18:01	PPATEL	440591
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/09/19	18:01	PPATEL	440591
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/09/19	18:01	PPATEL	440591
Chromium	SW6010B	1	0.075	5.00	**29.1**		mg/Kg	07/09/19	18:01	PPATEL	440591
Cobalt	SW6010B	1	0.070	5.00	**7.96**		mg/Kg	07/09/19	18:01	PPATEL	440591
Copper	SW6010B	1	0.20	5.00	**18.3**		mg/Kg	07/09/19	18:01	PPATEL	440591
Lead	SW6010B	1	0.10	3.00	**6.21**		mg/Kg	07/09/19	18:01	PPATEL	440591
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:01	PPATEL	440591
Nickel	SW6010B	1	0.50	5.00	**39.3**		mg/Kg	07/09/19	18:01	PPATEL	440591
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/09/19	18:01	PPATEL	440591
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/09/19	18:01	PPATEL	440591
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/09/19	18:01	PPATEL	440591
Vanadium	SW6010B	1	0.10	5.00	**24.6**		mg/Kg	07/09/19	18:01	PPATEL	440591
Zinc	SW6010B	1	0.30	5.00	**41.0**		mg/Kg	07/09/19	18:01	PPATEL	440591

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (0-0.5)	**Lab Sample ID:**	1907034-001A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:54		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/9/19	2:20:00PM
Prep Batch ID:	1114620	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	07/09/19	17:28	AW	440607
TPH as Motor Oil	SW8015B	1	3.2	10	**10.6**		mg/Kg	07/09/19	17:28	AW	440607
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**71.8**		%	07/09/19	17:28	AW	440607

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (0-0.5)	**Lab Sample ID:**	1907034-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:54		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.1	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Chloromethane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Vinyl Chloride	SW8260B	1	1.8	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Bromomethane	SW8260B	1	2.4	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Chloroethane	SW8260B	1	2.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Trichlorofluoromethane	SW8260B	1	1.8	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,1-Dichloroethene	SW8260B	1	1.8	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Freon 113	SW8260B	1	1.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Methylene Chloride	SW8260B	1	6.3	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
trans-1,2-Dichloroethene	SW8260B	1	1.8	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
MTBE	SW8260B	1	2.1	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
TBA	SW8260B	1	10	44	ND		ug/Kg	07/08/19	14:10	NP	440555
Diisopropyl ether	SW8260B	1	2.0	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,1-Dichloroethane	SW8260B	1	2.0	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Ethyl tert-Butyl ether	SW8260B	1	2.0	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
cis-1,2-Dichloroethene	SW8260B	1	2.0	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
2,2-Dichloropropane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Bromochloromethane	SW8260B	1	2.1	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Chloroform	SW8260B	1	2.1	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Carbon Tetrachloride	SW8260B	1	1.8	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,1,1-Trichloroethane	SW8260B	1	1.9	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,1-Dichloropropene	SW8260B	1	1.8	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Benzene	SW8260B	1	2.0	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
TAME	SW8260B	1	2.0	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2-Dichloroethane	SW8260B	1	2.1	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Trichloroethylene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Dibromomethane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2-Dichloropropane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Bromodichloromethane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
cis-1,3-Dichloropropene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Toluene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Tetrachloroethylene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
trans-1,3-Dichloropropene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,1,2-Trichloroethane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Dibromochloromethane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (0-0.5)	**Lab Sample ID:**	1907034-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:54		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2-Dibromoethane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Chlorobenzene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Ethylbenzene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,1,1,2-Tetrachloroethane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
m,p-Xylene	SW8260B	1	2.8	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
o-Xylene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Styrene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Bromoform	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Isopropyl Benzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
n-Propylbenzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Bromobenzene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,1,2,2-Tetrachloroethane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
2-Chlorotoluene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,3,5-Trimethylbenzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2,3-Trichloropropane	SW8260B	1	1.7	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
4-Chlorotoluene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
tert-Butylbenzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2,4-Trimethylbenzene	SW8260B	1	1.2	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
sec-Butyl Benzene	SW8260B	1	1.4	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
p-Isopropyltoluene	SW8260B	1	1.3	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,3-Dichlorobenzene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,4-Dichlorobenzene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
n-Butylbenzene	SW8260B	1	1.3	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2-Dichlorobenzene	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.6	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Hexachlorobutadiene	SW8260B	1	1.2	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2,4-Trichlorobenzene	SW8260B	1	1.3	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
Naphthalene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
1,2,3-Trichlorobenzene	SW8260B	1	1.5	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
2-Butanone	SW8260B	1	2.0	8.9	ND		ug/Kg	07/08/19	14:10	NP	440555
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**107**		%	07/08/19	14:10	NP	440555
(S) Toluene-d8	SW8260B		55.2 - 133		**102**		%	07/08/19	14:10	NP	440555
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**106**		%	07/08/19	14:10	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (0-0.5)	**Lab Sample ID:**	1907034-001B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:54		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/8/19	10:03:00AM
Prep Batch ID:	1114603	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	38	89	ND		ug/Kg	07/08/19	14:10	NP	440555
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**111**		%	07/08/19	14:10	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (0-0.5)	**Lab Sample ID:**	1907034-002A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:25		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114595	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/09/19	14:25	BJAY	440564

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (0-0.5)	**Lab Sample ID:**	1907034-002A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:25		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114590	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:05	PPATEL	440591
Arsenic	SW6010B	1	0.15	1.30	**4.75**		mg/Kg	07/09/19	18:05	PPATEL	440591
Barium	SW6010B	1	0.055	5.00	**103**		mg/Kg	07/09/19	18:05	PPATEL	440591
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/09/19	18:05	PPATEL	440591
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/09/19	18:05	PPATEL	440591
Chromium	SW6010B	1	0.075	5.00	**44.4**		mg/Kg	07/09/19	18:05	PPATEL	440591
Cobalt	SW6010B	1	0.070	5.00	**11.1**		mg/Kg	07/09/19	18:05	PPATEL	440591
Copper	SW6010B	1	0.20	5.00	**24.1**		mg/Kg	07/09/19	18:05	PPATEL	440591
Lead	SW6010B	1	0.10	3.00	**15.6**		mg/Kg	07/09/19	18:05	PPATEL	440591
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:05	PPATEL	440591
Nickel	SW6010B	1	0.50	5.00	**73.6**		mg/Kg	07/09/19	18:05	PPATEL	440591
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/09/19	18:05	PPATEL	440591
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/09/19	18:05	PPATEL	440591
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/09/19	18:05	PPATEL	440591
Vanadium	SW6010B	1	0.10	5.00	**36.7**		mg/Kg	07/09/19	18:05	PPATEL	440591
Zinc	SW6010B	1	0.30	5.00	**48.7**		mg/Kg	07/09/19	18:05	PPATEL	440591

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (0-0.5)	**Lab Sample ID:**	1907034-002A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:25		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/9/19	2:20:00PM
Prep Batch ID:	1114620	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.91**	x	mg/Kg	07/09/19	18:39	AW	440607
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	07/09/19	18:39	AW	440607
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**82.0**		%	07/09/19	18:39	AW	440607

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (0-0.5)	**Lab Sample ID:**	1907034-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:25		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.1	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Chloromethane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Vinyl Chloride	SW8260B	1	1.9	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Bromomethane	SW8260B	1	2.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Chloroethane	SW8260B	1	2.8	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Trichlorofluoromethane	SW8260B	1	1.9	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,1-Dichloroethene	SW8260B	1	1.9	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Freon 113	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Methylene Chloride	SW8260B	1	6.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
trans-1,2-Dichloroethene	SW8260B	1	1.9	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
MTBE	SW8260B	1	2.1	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
TBA	SW8260B	1	11	46	ND		ug/Kg	07/08/19	14:39	NP	440555
Diisopropyl ether	SW8260B	1	2.1	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,1-Dichloroethane	SW8260B	1	2.0	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Ethyl tert-Butyl ether	SW8260B	1	2.1	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
cis-1,2-Dichloroethene	SW8260B	1	2.0	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
2,2-Dichloropropane	SW8260B	1	1.8	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Bromochloromethane	SW8260B	1	2.1	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Chloroform	SW8260B	1	2.2	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Carbon Tetrachloride	SW8260B	1	1.9	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,1,1-Trichloroethane	SW8260B	1	1.9	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,1-Dichloropropene	SW8260B	1	1.8	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Benzene	SW8260B	1	2.0	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
TAME	SW8260B	1	2.1	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2-Dichloroethane	SW8260B	1	2.1	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Trichloroethylene	SW8260B	1	1.6	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Dibromomethane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2-Dichloropropane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Bromodichloromethane	SW8260B	1	1.8	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
cis-1,3-Dichloropropene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Toluene	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Tetrachloroethylene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
trans-1,3-Dichloropropene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,1,2-Trichloroethane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Dibromochloromethane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (0-0.5)	**Lab Sample ID:**	1907034-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:25		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2-Dibromoethane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Chlorobenzene	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Ethylbenzene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,1,1,2-Tetrachloroethane	SW8260B	1	1.8	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
m,p-Xylene	SW8260B	1	2.9	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
o-Xylene	SW8260B	1	1.6	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Styrene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Bromoform	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Isopropyl Benzene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
n-Propylbenzene	SW8260B	1	1.4	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Bromobenzene	SW8260B	1	1.6	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,1,2,2-Tetrachloroethane	SW8260B	1	1.8	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
2-Chlorotoluene	SW8260B	1	1.6	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,3,5-Trimethylbenzene	SW8260B	1	1.4	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2,3-Trichloropropane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
4-Chlorotoluene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
tert-Butylbenzene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2,4-Trimethylbenzene	SW8260B	1	1.2	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
sec-Butyl Benzene	SW8260B	1	1.4	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
p-Isopropyltoluene	SW8260B	1	1.3	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,3-Dichlorobenzene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,4-Dichlorobenzene	SW8260B	1	1.6	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
n-Butylbenzene	SW8260B	1	1.3	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2-Dichlorobenzene	SW8260B	1	1.6	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.7	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Hexachlorobutadiene	SW8260B	1	1.3	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2,4-Trichlorobenzene	SW8260B	1	1.3	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
Naphthalene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
1,2,3-Trichlorobenzene	SW8260B	1	1.5	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
2-Butanone	SW8260B	1	2.1	9.1	ND		ug/Kg	07/08/19	14:39	NP	440555
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**107**		%	07/08/19	14:39	NP	440555
(S) Toluene-d8	SW8260B		55.2 - 133		**103**		%	07/08/19	14:39	NP	440555
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**104**		%	07/08/19	14:39	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (0-0.5)	**Lab Sample ID:**	1907034-002B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:25		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/8/19	10:03:00AM
Prep Batch ID:	1114603	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	39	91	ND		ug/Kg	07/08/19	14:39	NP	440555
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**106**		%	07/08/19	14:39	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (0-0.5)	**Lab Sample ID:**	1907034-003A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:00		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114595	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/09/19	14:30	BJAY	440564

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (0-0.5)	**Lab Sample ID:**	1907034-003A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:00		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114590	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:13	PPATEL	440591
Arsenic	SW6010B	1	0.15	1.30	**5.00**		mg/Kg	07/09/19	18:13	PPATEL	440591
Barium	SW6010B	1	0.055	5.00	**159**		mg/Kg	07/09/19	18:13	PPATEL	440591
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/09/19	18:13	PPATEL	440591
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/09/19	18:13	PPATEL	440591
Chromium	SW6010B	1	0.075	5.00	**33.4**		mg/Kg	07/09/19	18:13	PPATEL	440591
Cobalt	SW6010B	1	0.070	5.00	**8.36**		mg/Kg	07/09/19	18:13	PPATEL	440591
Copper	SW6010B	1	0.20	5.00	**21.4**		mg/Kg	07/09/19	18:13	PPATEL	440591
Lead	SW6010B	1	0.10	3.00	**8.01**		mg/Kg	07/09/19	18:13	PPATEL	440591
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:13	PPATEL	440591
Nickel	SW6010B	1	0.50	5.00	**54.6**		mg/Kg	07/09/19	18:13	PPATEL	440591
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/09/19	18:13	PPATEL	440591
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/09/19	18:13	PPATEL	440591
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/09/19	18:13	PPATEL	440591
Vanadium	SW6010B	1	0.10	5.00	**30.2**		mg/Kg	07/09/19	18:13	PPATEL	440591
Zinc	SW6010B	1	0.30	5.00	**53.9**		mg/Kg	07/09/19	18:13	PPATEL	440591

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (0-0.5)	**Lab Sample ID:**	1907034-003A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:00		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/9/19	2:20:00PM
Prep Batch ID:	1114620	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.38**	x	mg/Kg	07/09/19	19:02	AW	440607
TPH as Motor Oil	SW8015B	1	3.2	10	**14.5**		mg/Kg	07/09/19	19:02	AW	440607
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**73.5**		%	07/09/19	19:02	AW	440607

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (0-0.5)	**Lab Sample ID:**	1907034-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:00		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.0	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Chloromethane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Vinyl Chloride	SW8260B	1	1.7	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Bromomethane	SW8260B	1	2.3	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Chloroethane	SW8260B	1	2.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Trichlorofluoromethane	SW8260B	1	1.8	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,1-Dichloroethene	SW8260B	1	1.7	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Freon 113	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Methylene Chloride	SW8260B	1	6.0	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
trans-1,2-Dichloroethene	SW8260B	1	1.8	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
MTBE	SW8260B	1	2.0	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
TBA	SW8260B	1	9.8	43	ND		ug/Kg	07/08/19	15:08	NP	440555
Diisopropyl ether	SW8260B	1	1.9	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,1-Dichloroethane	SW8260B	1	1.9	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Ethyl tert-Butyl ether	SW8260B	1	1.9	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
cis-1,2-Dichloroethene	SW8260B	1	1.9	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
2,2-Dichloropropane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Bromochloromethane	SW8260B	1	2.0	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Chloroform	SW8260B	1	2.0	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Carbon Tetrachloride	SW8260B	1	1.7	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,1,1-Trichloroethane	SW8260B	1	1.8	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,1-Dichloropropene	SW8260B	1	1.7	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Benzene	SW8260B	1	1.9	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
TAME	SW8260B	1	1.9	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2-Dichloroethane	SW8260B	1	2.0	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Trichloroethylene	SW8260B	1	1.5	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Dibromomethane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2-Dichloropropane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Bromodichloromethane	SW8260B	1	1.7	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
cis-1,3-Dichloropropene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Toluene	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Tetrachloroethylene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
trans-1,3-Dichloropropene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,1,2-Trichloroethane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Dibromochloromethane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (0-0.5)	**Lab Sample ID:**	1907034-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:00		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2-Dibromoethane	SW8260B	1	1.5	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Chlorobenzene	SW8260B	1	1.5	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Ethylbenzene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,1,1,2-Tetrachloroethane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
m,p-Xylene	SW8260B	1	2.7	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
o-Xylene	SW8260B	1	1.5	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Styrene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Bromoform	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Isopropyl Benzene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
n-Propylbenzene	SW8260B	1	1.3	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Bromobenzene	SW8260B	1	1.5	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,1,2,2-Tetrachloroethane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
2-Chlorotoluene	SW8260B	1	1.5	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,3,5-Trimethylbenzene	SW8260B	1	1.3	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2,3-Trichloropropane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
4-Chlorotoluene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
tert-Butylbenzene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2,4-Trimethylbenzene	SW8260B	1	1.2	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
sec-Butyl Benzene	SW8260B	1	1.3	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
p-Isopropyltoluene	SW8260B	1	1.2	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,3-Dichlorobenzene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,4-Dichlorobenzene	SW8260B	1	1.5	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
n-Butylbenzene	SW8260B	1	1.2	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2-Dichlorobenzene	SW8260B	1	1.5	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.6	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Hexachlorobutadiene	SW8260B	1	1.2	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2,4-Trichlorobenzene	SW8260B	1	1.3	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
Naphthalene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
1,2,3-Trichlorobenzene	SW8260B	1	1.4	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
2-Butanone	SW8260B	1	1.9	8.5	ND		ug/Kg	07/08/19	15:08	NP	440555
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**108**		%	07/08/19	15:08	NP	440555
(S) Toluene-d8	SW8260B		55.2 - 133		**103**		%	07/08/19	15:08	NP	440555
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**104**		%	07/08/19	15:08	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (0-0.5)	**Lab Sample ID:**	1907034-003B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 8:00		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/8/19	10:03:00AM
Prep Batch ID:	1114603	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	37	85	ND		ug/Kg	07/08/19	15:08	NP	440555
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**113**		%	07/08/19	15:08	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (11-12)	**Lab Sample ID:**	1907034-004A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 10:12		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114595	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/09/19	14:32	BJAY	440564

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (11-12)	**Lab Sample ID:**	1907034-004A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 10:12		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114590	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:17	PPATEL	440591
Arsenic	SW6010B	1	0.15	1.30	**4.95**		mg/Kg	07/09/19	18:17	PPATEL	440591
Barium	SW6010B	1	0.055	5.00	**67.0**		mg/Kg	07/09/19	18:17	PPATEL	440591
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/09/19	18:17	PPATEL	440591
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/09/19	18:17	PPATEL	440591
Chromium	SW6010B	1	0.075	5.00	**60.2**		mg/Kg	07/09/19	18:17	PPATEL	440591
Cobalt	SW6010B	1	0.070	5.00	**8.25**		mg/Kg	07/09/19	18:17	PPATEL	440591
Copper	SW6010B	1	0.20	5.00	**13.2**		mg/Kg	07/09/19	18:17	PPATEL	440591
Lead	SW6010B	1	0.10	3.00	**4.75**		mg/Kg	07/09/19	18:17	PPATEL	440591
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:17	PPATEL	440591
Nickel	SW6010B	1	0.50	5.00	**69.9**		mg/Kg	07/09/19	18:17	PPATEL	440591
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/09/19	18:17	PPATEL	440591
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/09/19	18:17	PPATEL	440591
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/09/19	18:17	PPATEL	440591
Vanadium	SW6010B	1	0.10	5.00	**25.0**		mg/Kg	07/09/19	18:17	PPATEL	440591
Zinc	SW6010B	1	0.30	5.00	**32.7**		mg/Kg	07/09/19	18:17	PPATEL	440591

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (11-12)	**Lab Sample ID:**	1907034-004A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 10:12		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/9/19	2:20:00PM
Prep Batch ID:	1114620	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.11**	x	mg/Kg	07/09/19	19:26	AW	440607
TPH as Motor Oil	SW8015B	1	3.2	10	**10.8**		mg/Kg	07/09/19	19:26	AW	440607
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**71.0**		%	07/09/19	19:26	AW	440607

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (11-12)	**Lab Sample ID:**	1907034-004B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 10:12		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.1	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Chloromethane	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Vinyl Chloride	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Bromomethane	SW8260B	1	2.4	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Chloroethane	SW8260B	1	2.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Trichlorofluoromethane	SW8260B	1	1.9	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,1-Dichloroethene	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Freon 113	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Methylene Chloride	SW8260B	1	6.4	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
trans-1,2-Dichloroethene	SW8260B	1	1.9	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
MTBE	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
TBA	SW8260B	1	10	45	ND		ug/Kg	07/08/19	16:05	NP	440555
Diisopropyl ether	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,1-Dichloroethane	SW8260B	1	2.0	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Ethyl tert-Butyl ether	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
cis-1,2-Dichloroethene	SW8260B	1	2.0	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
2,2-Dichloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Bromochloromethane	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Chloroform	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Carbon Tetrachloride	SW8260B	1	1.9	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,1,1-Trichloroethane	SW8260B	1	1.9	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,1-Dichloropropene	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Benzene	SW8260B	1	2.0	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
TAME	SW8260B	1	2.0	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2-Dichloroethane	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Trichloroethylene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Dibromomethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2-Dichloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Bromodichloromethane	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
cis-1,3-Dichloropropene	SW8260B	1	1.4	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Toluene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Tetrachloroethylene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
trans-1,3-Dichloropropene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,1,2-Trichloroethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Dibromochloromethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (11-12)	**Lab Sample ID:**	1907034-004B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 10:12		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2-Dibromoethane	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Chlorobenzene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Ethylbenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,1,1,2-Tetrachloroethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
m,p-Xylene	SW8260B	1	2.8	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
o-Xylene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Styrene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Bromoform	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Isopropyl Benzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
n-Propylbenzene	SW8260B	1	1.4	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Bromobenzene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,1,2,2-Tetrachloroethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
2-Chlorotoluene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,3,5-Trimethylbenzene	SW8260B	1	1.4	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2,3-Trichloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
4-Chlorotoluene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
tert-Butylbenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2,4-Trimethylbenzene	SW8260B	1	1.2	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
sec-Butyl Benzene	SW8260B	1	1.4	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
p-Isopropyltoluene	SW8260B	1	1.3	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,3-Dichlorobenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,4-Dichlorobenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
n-Butylbenzene	SW8260B	1	1.3	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2-Dichlorobenzene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Hexachlorobutadiene	SW8260B	1	1.2	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2,4-Trichlorobenzene	SW8260B	1	1.3	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
Naphthalene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
1,2,3-Trichlorobenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
2-Butanone	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	16:05	NP	440555
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**104**		%	07/08/19	16:05	NP	440555
(S) Toluene-d8	SW8260B		55.2 - 133		**101**		%	07/08/19	16:05	NP	440555
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**102**		%	07/08/19	16:05	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-5 (11-12)	**Lab Sample ID:**	1907034-004B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 10:12		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/8/19	10:03:00AM
Prep Batch ID:	1114603	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	39	90	ND		ug/Kg	07/08/19	16:05	NP	440555
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**122**		%	07/08/19	16:05	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (15-16)	**Lab Sample ID:**	1907034-005A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:47		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114595	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/09/19	14:34	BJAY	440564

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (15-16)	**Lab Sample ID:**	1907034-005A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:47		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114590	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:20	PPATEL	440591
Arsenic	SW6010B	1	0.15	1.30	**6.11**		mg/Kg	07/09/19	18:20	PPATEL	440591
Barium	SW6010B	1	0.055	5.00	**185**		mg/Kg	07/09/19	18:20	PPATEL	440591
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/09/19	18:20	PPATEL	440591
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/09/19	18:20	PPATEL	440591
Chromium	SW6010B	1	0.075	5.00	**45.5**		mg/Kg	07/09/19	18:20	PPATEL	440591
Cobalt	SW6010B	1	0.070	5.00	**9.90**		mg/Kg	07/09/19	18:20	PPATEL	440591
Copper	SW6010B	1	0.20	5.00	**21.2**		mg/Kg	07/09/19	18:20	PPATEL	440591
Lead	SW6010B	1	0.10	3.00	**5.27**		mg/Kg	07/09/19	18:20	PPATEL	440591
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:20	PPATEL	440591
Nickel	SW6010B	1	0.50	5.00	**57.2**		mg/Kg	07/09/19	18:20	PPATEL	440591
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/09/19	18:20	PPATEL	440591
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/09/19	18:20	PPATEL	440591
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/09/19	18:20	PPATEL	440591
Vanadium	SW6010B	1	0.10	5.00	**36.0**		mg/Kg	07/09/19	18:20	PPATEL	440591
Zinc	SW6010B	1	0.30	5.00	**44.7**		mg/Kg	07/09/19	18:20	PPATEL	440591

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (15-16)	**Lab Sample ID:**	1907034-005A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:47		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/9/19	2:20:00PM
Prep Batch ID:	1114620	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	1.7	4.0	**48.5**	x	mg/Kg	07/10/19	11:49	AW	440607
TPH as Motor Oil	SW8015B	2	6.4	20	**98.6**		mg/Kg	07/10/19	11:49	AW	440607
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**79.6**		%	07/10/19	11:49	AW	440607

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (15-16)	**Lab Sample ID:**	1907034-005B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:47		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.0	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Chloromethane	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Vinyl Chloride	SW8260B	1	1.7	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Bromomethane	SW8260B	1	2.3	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Chloroethane	SW8260B	1	2.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Trichlorofluoromethane	SW8260B	1	1.7	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,1-Dichloroethene	SW8260B	1	1.7	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Freon 113	SW8260B	1	1.6	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Methylene Chloride	SW8260B	1	6.0	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
trans-1,2-Dichloroethene	SW8260B	1	1.8	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
MTBE	SW8260B	1	2.0	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
TBA	SW8260B	1	9.7	42	ND		ug/Kg	07/08/19	16:34	NP	440555
Diisopropyl ether	SW8260B	1	1.9	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,1-Dichloroethane	SW8260B	1	1.9	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Ethyl tert-Butyl ether	SW8260B	1	1.9	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
cis-1,2-Dichloroethene	SW8260B	1	1.9	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
2,2-Dichloropropane	SW8260B	1	1.6	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Bromochloromethane	SW8260B	1	2.0	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Chloroform	SW8260B	1	2.0	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Carbon Tetrachloride	SW8260B	1	1.7	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,1,1-Trichloroethane	SW8260B	1	1.8	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,1-Dichloropropene	SW8260B	1	1.7	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Benzene	SW8260B	1	1.9	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
TAME	SW8260B	1	1.9	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2-Dichloroethane	SW8260B	1	2.0	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Trichloroethylene	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Dibromomethane	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2-Dichloropropane	SW8260B	1	1.6	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Bromodichloromethane	SW8260B	1	1.7	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
cis-1,3-Dichloropropene	SW8260B	1	1.3	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Toluene	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Tetrachloroethylene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
trans-1,3-Dichloropropene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,1,2-Trichloroethane	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Dibromochloromethane	SW8260B	1	1.6	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (15-16)	**Lab Sample ID:**	1907034-005B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:47		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2-Dibromoethane	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Chlorobenzene	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Ethylbenzene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,1,1,2-Tetrachloroethane	SW8260B	1	1.6	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
m,p-Xylene	SW8260B	1	2.7	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
o-Xylene	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Styrene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Bromoform	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Isopropyl Benzene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
n-Propylbenzene	SW8260B	1	1.3	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Bromobenzene	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,1,2,2-Tetrachloroethane	SW8260B	1	1.6	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
2-Chlorotoluene	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,3,5-Trimethylbenzene	SW8260B	1	1.3	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2,3-Trichloropropane	SW8260B	1	1.6	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
4-Chlorotoluene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
tert-Butylbenzene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2,4-Trimethylbenzene	SW8260B	1	1.1	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
sec-Butyl Benzene	SW8260B	1	1.3	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
p-Isopropyltoluene	SW8260B	1	1.2	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,3-Dichlorobenzene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,4-Dichlorobenzene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
n-Butylbenzene	SW8260B	1	1.2	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2-Dichlorobenzene	SW8260B	1	1.5	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.6	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Hexachlorobutadiene	SW8260B	1	1.2	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2,4-Trichlorobenzene	SW8260B	1	1.2	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
Naphthalene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
1,2,3-Trichlorobenzene	SW8260B	1	1.4	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
2-Butanone	SW8260B	1	1.9	8.4	ND		ug/Kg	07/08/19	16:34	NP	440555
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**105**		%	07/08/19	16:34	NP	440555
(S) Toluene-d8	SW8260B		55.2 - 133		**101**		%	07/08/19	16:34	NP	440555
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**99.2**		%	07/08/19	16:34	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-7 (15-16)	**Lab Sample ID:**	1907034-005B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:47		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/8/19	10:03:00AM
Prep Batch ID:	1114603	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	36	84	ND		ug/Kg	07/08/19	16:34	NP	440555
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**122**		%	07/08/19	16:34	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (15-16)	**Lab Sample ID:**	1907034-006A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:13		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114595	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/09/19	14:36	BJAY	440564

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (15-16)	**Lab Sample ID:**	1907034-006A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:13		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/8/19 5:00:00PM
Prep Batch ID:	1114590	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:24	PPATEL	440591
Arsenic	SW6010B	1	0.15	1.30	**7.54**		mg/Kg	07/09/19	18:24	PPATEL	440591
Barium	SW6010B	1	0.055	5.00	**194**		mg/Kg	07/09/19	18:24	PPATEL	440591
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/09/19	18:24	PPATEL	440591
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/09/19	18:24	PPATEL	440591
Chromium	SW6010B	1	0.075	5.00	**41.7**		mg/Kg	07/09/19	18:24	PPATEL	440591
Cobalt	SW6010B	1	0.070	5.00	**10.7**		mg/Kg	07/09/19	18:24	PPATEL	440591
Copper	SW6010B	1	0.20	5.00	**21.8**		mg/Kg	07/09/19	18:24	PPATEL	440591
Lead	SW6010B	1	0.10	3.00	**5.57**		mg/Kg	07/09/19	18:24	PPATEL	440591
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/09/19	18:24	PPATEL	440591
Nickel	SW6010B	1	0.50	5.00	**57.1**		mg/Kg	07/09/19	18:24	PPATEL	440591
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/09/19	18:24	PPATEL	440591
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/09/19	18:24	PPATEL	440591
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/09/19	18:24	PPATEL	440591
Vanadium	SW6010B	1	0.10	5.00	**41.7**		mg/Kg	07/09/19	18:24	PPATEL	440591
Zinc	SW6010B	1	0.30	5.00	**42.8**		mg/Kg	07/09/19	18:24	PPATEL	440591

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (15-16)	**Lab Sample ID:**	1907034-006A
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:13		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/9/19	2:20:00PM
Prep Batch ID:	1114620	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	07/10/19	14:10	AW	440607
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	07/10/19	14:10	AW	440607
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**60.1**		%	07/10/19	14:10	AW	440607

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (15-16)	**Lab Sample ID:**	1907034-006B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:13		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.1	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Chloromethane	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Vinyl Chloride	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Bromomethane	SW8260B	1	2.4	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Chloroethane	SW8260B	1	2.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Trichlorofluoromethane	SW8260B	1	1.9	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,1-Dichloroethene	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Freon 113	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Methylene Chloride	SW8260B	1	6.4	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
trans-1,2-Dichloroethene	SW8260B	1	1.9	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
MTBE	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
TBA	SW8260B	1	10	45	ND		ug/Kg	07/08/19	17:03	NP	440555
Diisopropyl ether	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,1-Dichloroethane	SW8260B	1	2.0	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Ethyl tert-Butyl ether	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
cis-1,2-Dichloroethene	SW8260B	1	2.0	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
2,2-Dichloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Bromochloromethane	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Chloroform	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Carbon Tetrachloride	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,1,1-Trichloroethane	SW8260B	1	1.9	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,1-Dichloropropene	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Benzene	SW8260B	1	2.0	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
TAME	SW8260B	1	2.0	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2-Dichloroethane	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Trichloroethylene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Dibromomethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2-Dichloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Bromodichloromethane	SW8260B	1	1.8	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
cis-1,3-Dichloropropene	SW8260B	1	1.4	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Toluene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Tetrachloroethylene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
trans-1,3-Dichloropropene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,1,2-Trichloroethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Dibromochloromethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (15-16)	**Lab Sample ID:**	1907034-006B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:13		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/8/19 10:03:00AM
Prep Batch ID:	1114602	**Prep Analyst:**	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2-Dibromoethane	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Chlorobenzene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Ethylbenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,1,1,2-Tetrachloroethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
m,p-Xylene	SW8260B	1	2.8	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
o-Xylene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Styrene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Bromoform	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Isopropyl Benzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
n-Propylbenzene	SW8260B	1	1.4	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Bromobenzene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,1,2,2-Tetrachloroethane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
2-Chlorotoluene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,3,5-Trimethylbenzene	SW8260B	1	1.4	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2,3-Trichloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
4-Chlorotoluene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
tert-Butylbenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2,4-Trimethylbenzene	SW8260B	1	1.2	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
sec-Butyl Benzene	SW8260B	1	1.4	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
p-Isopropyltoluene	SW8260B	1	1.3	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,3-Dichlorobenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,4-Dichlorobenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
n-Butylbenzene	SW8260B	1	1.3	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2-Dichlorobenzene	SW8260B	1	1.6	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.7	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Hexachlorobutadiene	SW8260B	1	1.2	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2,4-Trichlorobenzene	SW8260B	1	1.3	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
Naphthalene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
1,2,3-Trichlorobenzene	SW8260B	1	1.5	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
2-Butanone	SW8260B	1	2.1	9.0	ND		ug/Kg	07/08/19	17:03	NP	440555
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**107**		%	07/08/19	17:03	NP	440555
(S) Toluene-d8	SW8260B		55.2 - 133		**100**		%	07/08/19	17:03	NP	440555
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**99.8**		%	07/08/19	17:03	NP	440555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Chris Heiny
Cornerstone(Walnut Creek)

Date/Time Received: 07/03/19, 1:28 pm
Date Reported: 07/10/19

Client Sample ID:	SS-8 (15-16)	**Lab Sample ID:**	1907034-006B
Project Name/Location:	1355 California Circle Ph I & II	**Sample Matrix:**	Soil
Project Number:	648-19-1		
Date/Time Sampled:	07/03/19 / 11:13		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/8/19	10:03:00AM
Prep Batch ID:	1114603	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	39	90	ND		ug/Kg	07/08/19	17:03	NP	440555
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**111**		%	07/08/19	17:03	NP	440555

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907034	**Prep Method:**	3050B	**Prep Date:**	07/08/19	**Prep Batch:**	1114590
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	7/9/2019	**Analytical Batch:**	440590
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	0.095	
Arsenic	0.15	1.30	ND	
Barium	0.055	5.00	ND	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	0.085	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	0.76	
Lead	0.10	1.30	ND	
Molybdenum	0.050	5.00	0.10	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	ND	

Work Order:	1907034	**Prep Method:**	7471BP	**Prep Date:**	07/08/19	**Prep Batch:**	1114595
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	7/9/2019	**Analytical Batch:**	440564
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907034	**Prep Method:**	5035	**Prep Date:**	07/08/19	**Prep Batch:**	1114602
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440555
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethylene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		

MB Summary Report

Work Order:	1907034	**Prep Method:**	5035	**Prep Date:**	07/08/19	**Prep Batch:**	1114602
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440555
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	3.5	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	4.7	
1,2,3-Trichlorobenzene	1.7	10	1.7	
2-Butanone	2.3	10	ND	
4-Methyl-2-Pentanone	2.0	10	4.0	
(S) Dibromofluoromethane			105	
(S) Toluene-d8			98.5	
(S) 4-Bromofluorobenzene			97.3	

Work Order:	1907034	**Prep Method:**	5035GRO	**Prep Date:**	07/08/19	**Prep Batch:**	1114603
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440555
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	48	
(S) 4-Bromofluorobenzene			104	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1907034	**Prep Method:**	3546_TPH	**Prep Date:**	07/09/19	**Prep Batch:**	1114620
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/9/2019	**Analytical Batch:**	440607
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Diesel	0.85	2.0	ND		
TPH as Motor Oil	3.2	10	ND		
Pentacosane (S)			59.8		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907034	**Prep Method:**	3050B	**Prep Date:**	07/08/19	**Prep Batch:**	1114590
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	7/9/2019	**Analytical Batch:**	440590
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	0.095	50	105	101	3.11	80 - 120	30	
Arsenic	0.15	1.30	ND	50	100	96.6	3.66	80 - 120	30	
Barium	0.055	5.00	ND	50	105	101	3.30	80 - 120	30	
Beryllium	0.055	5.00	ND	50	103	99.7	2.77	80 - 120	30	
Cadmium	0.10	5.00	ND	50	100	96.8	3.45	80 - 120	30	
Chromium	0.075	5.00	0.085	50	106	103	2.67	80 - 120	30	
Cobalt	0.070	5.00	ND	50	102	100	1.59	80 - 120	30	
Copper	0.20	5.00	0.76	50	108	104	3.40	80 - 120	30	
Lead	0.10	3.00	ND	50	103	98.4	4.18	80 - 120	30	
Molybdenum	0.050	5.00	0.10	50	106	105	1.52	80 - 120	30	
Nickel	0.50	5.00	ND	50	103	101	1.77	80 - 120	30	
Selenium	0.22	5.00	ND	50	96.8	93.3	3.79	80 - 120	30	
Silver	0.15	5.00	ND	50	101	98.0	3.02	80 - 120	30	
Thallium	0.20	5.00	ND	50	96.7	92.8	4.22	80 - 120	30	
Vanadium	0.10	5.00	ND	50	107	103	3.24	80 - 120	30	
Zinc	0.30	5.00	ND	50	97.7	95.4	2.28	80 - 120	30	

Work Order:	1907034	**Prep Method:**	7471BP	**Prep Date:**	07/08/19	**Prep Batch:**	1114595
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	7/9/2019	**Analytical Batch:**	440564
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	102	102	0.784	80 - 120	30	

Work Order:	1907034	**Prep Method:**	5035	**Prep Date:**	07/08/19	**Prep Batch:**	1114602
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440555
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	86.2	88.7	2.75	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	96.4	98.9	2.46	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	101	104	2.54	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	101	102	1.38	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	100	102	1.78	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	97.0	100		59.8 - 148		
(S) Toluene-d8				50.0	103	105		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	108	112		55.8 - 141		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907034	**Prep Method:**	5035GRO	**Prep Date:**	07/08/19	**Prep Batch:**	1114603
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/8/2019	**Analytical Batch:**	440555
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	48	1000	102	110	7.55	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	98.3	119		43.9 - 127		

Work Order:	1907034	**Prep Method:**	3546_TPH	**Prep Date:**	07/09/19	**Prep Batch:**	1114620
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/9/2019	**Analytical Batch:**	440607
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	25.0	67.1	73.9	9.63	52 - 115	30	
Pentacosane (S)				200	68.9	78.9		59 - 129		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1907034	**Prep Method:**	3050B	**Prep Date:**	07/08/19	**Prep Batch:**	1114590
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	7/9/2019	**Analytical Batch:**	440591
Spiked Sample:	1907034-006A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	87.8	83.9	4.33	30.7 - 130	30	
Arsenic	0.15	1.30	7.54	50	96.5	95.5	0.900	71.0 - 121	30	
Barium	0.055	5.00	194	50	7.60	69.5	14.5	70.2 - 130	30	S
Beryllium	0.055	5.00	ND	50	94.5	93.9	0.631	73.3 - 115	30	
Cadmium	0.10	5.00	ND	50	100	100	0.199	80.0 - 110	30	
Chromium	0.075	5.00	41.7	50	109	101	3.93	76.0 - 116	30	
Cobalt	0.070	5.00	10.7	50	91.1	93.7	2.28	57.4 - 122	30	
Copper	0.20	5.00	21.8	50	110	112	1.04	74.8 - 119	30	
Lead	0.10	3.00	5.57	50	94.8	93.8	0.948	57.9 - 118	30	
Molybdenum	0.050	5.00	ND	50	99.8	99.0	0.786	62.9 - 123	30	
Nickel	0.50	5.00	57.1	50	101	101	0.930	61.5 - 122	30	
Selenium	0.22	5.00	ND	50	93.2	91.6	1.86	62.0 - 111	30	
Silver	0.15	5.00	ND	50	103	105	2.16	81.1 - 109	30	
Thallium	0.20	5.00	ND	50	79.5	78.4	1.73	39.2 - 125	30	
Vanadium	0.10	5.00	41.7	50	113	108	2.27	65.8 - 122	30	
Zinc	0.30	5.00	42.8	50	96.9	90.2	3.79	59.9 - 122	30	

Work Order:	1907034	**Prep Method:**	7471BP	**Prep Date:**	07/08/19	**Prep Batch:**	1114595
Matrix:	**Soil**	**Analytical Method:**	SW7471B	**Analyzed Date:**	7/9/2019	**Analytical Batch:**	440564
Spiked Sample:	1907034-006A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	80.2	88.1	9.35	75 - 125	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Cornerstone(Walnut Creek)

Project Name: 1355 California Circle Ph I & II

Work Order No.: 1907034

Date and Time Received: 7/3/2019 1:28:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: 10.0 °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	N/A

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Sample chilling begun

Login Summary Report

Client ID: TL5508 Cornerstone(Walnut Creek)
Project Name: 1355 California Circle Ph I & II
Project # : 648-19-1
Report Due Date: 7/10/2019

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 7/3/2019
Time Received: 1:28 pm

Comments:

Work Order # : ***1907034***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1907034-001A	SS-5 (0-0.5)	07/03/19 8:54	Soil	12/30/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B	
1907034-001B	SS-5 (0-0.5)	07/03/19 8:54	Soil	12/30/19			EN_VOC_8260B VOC_S_GRO	
Sample Note:	VOCs & TPHg (Encores)							
1907034-002A	SS-7 (0-0.5)	07/03/19 8:25	Soil	12/30/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B	
1907034-002B	SS-7 (0-0.5)	07/03/19 8:25	Soil	12/30/19			EN_VOC_8260B VOC_S_GRO	
1907034-003A	SS-8 (0-0.5)	07/03/19 8:00	Soil	12/30/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B	
1907034-003B	SS-8 (0-0.5)	07/03/19 8:00	Soil	12/30/19			EN_VOC_8260B VOC_S_GRO	
1907034-004A	SS-5 (11-12)	07/03/19 10:12	Soil	12/30/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B	
1907034-004B	SS-5 (11-12)	07/03/19 10:12	Soil	12/30/19			EN_VOC_8260B VOC_S_GRO	
1907034-005A	SS-7 (15-16)	07/03/19 11:47	Soil	12/30/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod)	

Login Summary Report

Client ID: TL5508 Cornerstone(Walnut Creek)
Project Name: 1355 California Circle Ph I & II
Project # : 648-19-1
Report Due Date: 7/10/2019

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 7/3/2019
Time Received: 1:28 pm

Comments:

Work Order # : ***1907034***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1907034-005B	SS-7 (15-16)	07/03/19 11:47	Soil	12/30/19			Hg_S_7471B EN_VOC_8260B VOC_S_GRO	
1907034-006A	SS-8 (15-16)	07/03/19 11:13	Soil	12/30/19			Met_S_6010B CAM17 Hg_S_7471B TPHDO_S_8015(Mod) EN_VOC_8260B VOC_S_GRO	
1907034-006B	SS-8 (15-16)	07/03/19 11:13	Soil	12/30/19				

Torrent LABORATORY, INC.

CORNERSTONE EARTH GROUP

Chain of Custody Record

1907034

	Project Manager: Chris Heiny	Site Sampler: NKM	Date: 7/3/19	COC No: 1
Cornerstone Earth Group, Inc.	Tel/Fax: 925-988-9500 ext.	Lab Contact: Jane Ladrech	Lab: Torrent	____ of ____ COCs
1220 Oakland Boulevard, Suite 220	Analysis Turnaround Time			Laboratory's Job No.
Walnut Creek, CA 94596				
(925)-988-9500 Phone	TAT if different from Below ____			
(925)-988-9501 FAX	☐ 1 week			
Project Name: 1355 California Circle Ph I & II	☒ 3 days			
Site: 1355 California Circle, Milpitas	☐ 2 days			
Project Number: 648-19-1	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	17 CAM Metals (EPA 6010B / 7471A)	TPHg and VOCs (EPA 8260B)	TPH d/mo (EPA 8015)	PCBs (EPA 8082)	OCPs (EPA 8081)	SVOCs (EPA 8270C)	STLC - Extract and Hold	TCLP - Extract and Hold	HOLD	Laboratory's Sample Specific Notes:
-001A/B SS-5 (0-0.5)	7/3/19	8:54	Liner/CNS	Soil	4		x	x	x							
-002A/B SS-7 (0-0.5)		8:25	liner/CNS	Soil	4		x	x	x							
-003A/B SS-8 (0-0.5)		8:00	Liner/CNS	Soil	4		x	x	x							
-004A/B SS-5 (11-12)		10:12					x	x	x							
-005A/B SS-7 (15-16)		11:47					x	x	x							
-006A/B SS-8 (15-16)		11:13					x	x	x							

Preservation Used: (1= Ice), 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: Please email results to: cheiny@cornerstoneearth.com, nmall@cornerstoneearth.com

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Natalie Mall	Cornerstone Earth Group	7/3/19 13:28		Torrent Laboratory	7/3/19 1328
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Temp = 10° C#2 Sample chilling begun

APPENDIX 3.11

Noise & Vibration Data

Measurement Report (Location 1)

Report Summary

Meter's File Name	LxT_Data.161.s	Computer's File Name	LxT_0005667-20220726 132647-LxT_Data.161.ldbin
Meter	LxT1 0005667		
Firmware	2.302		
User		Location	
Job Description			
Note			
Start Time	2022-07-26 13:26:47	Duration	0:15:00.0
End Time	2022-07-26 13:41:47	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	61.8 dB		
LAE	91.4 dB	SEA	--- dB
EA	152.9 µPa²h		
EA8	4.9 mPa²h		
EA40	24.5 mPa²h		
LA_{peak}	89.7 dB	2022-07-26 13:26:53	
LAS_{max}	73.4 dB	2022-07-26 13:26:53	
LAS_{min}	57.0 dB	2022-07-26 13:37:52	
LA_{eq}	61.8 dB		
LC_{eq}	72.8 dB	LC_{eq} - LA_{eq}	10.9 dB
LAI_{eq}	62.9 dB	LAI_{eq} - LA_{eq}	1.0 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	61.8 dB		72.8 dB		--- dB	
$Ls_{(max)}$	73.4 dB	2022-07-26 13:26:53	--- dB		--- dB	
$LS_{(min)}$	57.0 dB	2022-07-26 13:37:52	--- dB		--- dB	
$L_{Peak(max)}$	89.7 dB	2022-07-26 13:26:53	--- dB		--- dB	

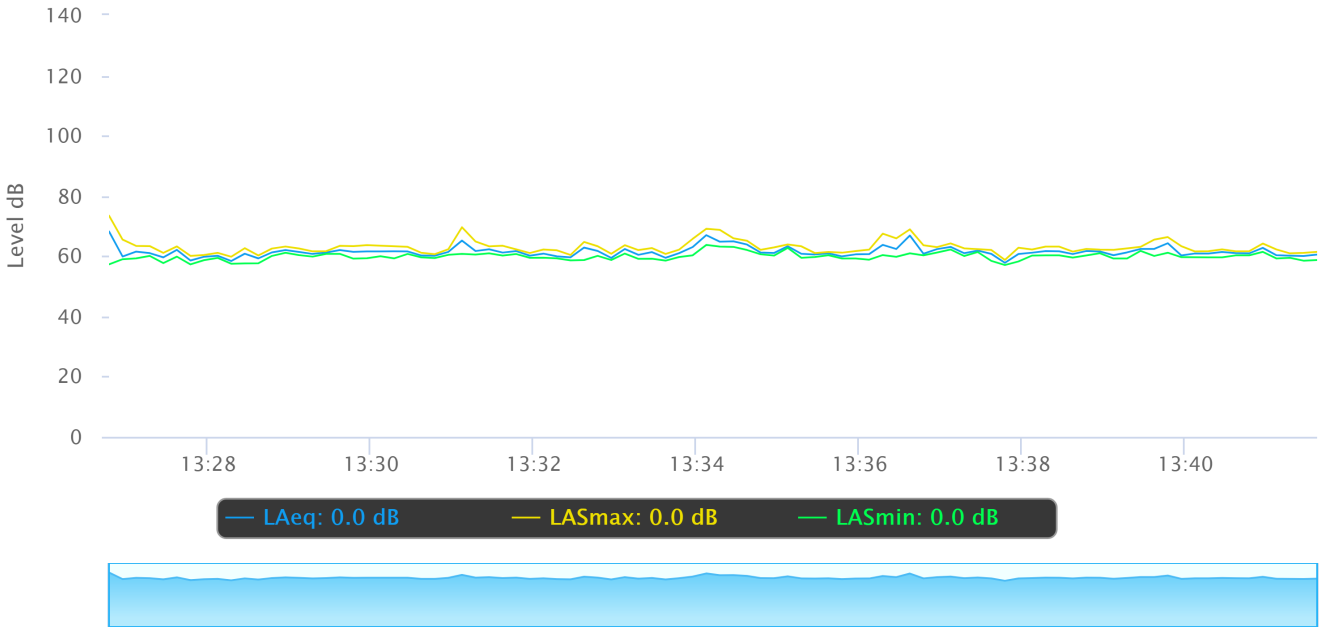
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	63.4 dB
LAS 33.3	61.7 dB
LAS 66.7	60.5 dB
LAS 90.0	59.4 dB

Time History



Measurement Report (Location 2)

Report Summary

Meter's File Name	LxT_Data.160.s	Computer's File Name	LxT_0005667-20220726 130904-LxT_Data.160.ldbin
Meter	LxT1 0005667		
Firmware	2.302		
User		Location	
Job Description			
Note			
Start Time	2022-07-26 13:09:04	Duration	0:15:00.0
End Time	2022-07-26 13:24:04	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	62.9 dB		
LAE	92.5 dB	SEA	--- dB
EA	195.8 µPa²h		
EA8	6.3 mPa²h		
EA40	31.3 mPa²h		
LA_{peak}	104.8 dB	2022-07-26 13:22:42	
LAS_{max}	77.6 dB	2022-07-26 13:19:07	
LAS_{min}	52.7 dB	2022-07-26 13:23:51	
LA_{eq}	62.9 dB		
LC_{eq}	71.8 dB	LC_{eq} - LA_{eq}	8.9 dB
LAI_{eq}	65.3 dB	LAI_{eq} - LA_{eq}	2.4 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	62.9 dB		71.8 dB		--- dB	
$Ls_{(max)}$	77.6 dB	2022-07-26 13:19:07	--- dB		--- dB	
$LS_{(min)}$	52.7 dB	2022-07-26 13:23:51	--- dB		--- dB	
$L_{Peak(max)}$	104.8 dB	2022-07-26 13:22:42	--- dB		--- dB	

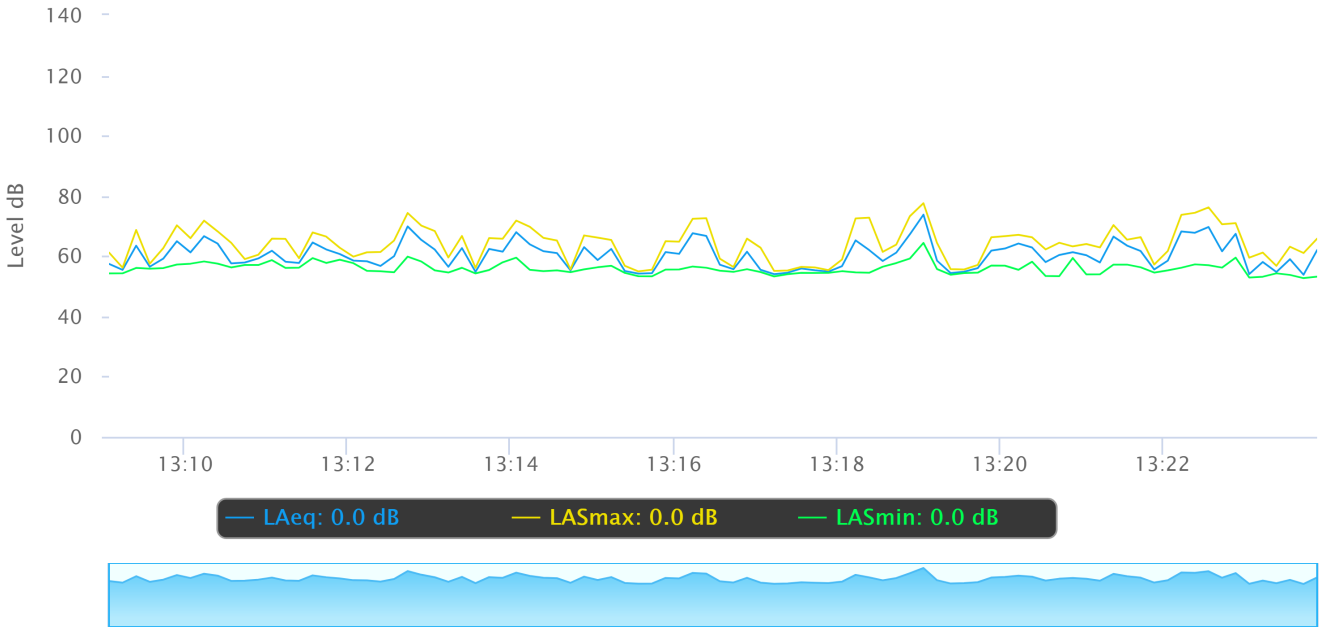
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	65.9 dB
LAS 33.3	60.5 dB
LAS 66.7	56.3 dB
LAS 90.0	54.6 dB

Time History



Measurement Report (Location 3)

Report Summary

Meter's File Name	LxT_Data.162.s	Computer's File Name	LxT_0005667-20220726 134459-LxT_Data.162.ldbin
Meter	LxT1 0005667		
Firmware	2.302		
User		Location	
Job Description			
Note			
Start Time	2022-07-26 13:44:59	Duration	0:15:00.0
End Time	2022-07-26 13:59:59	Run Time	0:15:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	66.3 dB		
LAE	95.9 dB	SEA	--- dB
EA	428.0 µPa²h		
EA8	13.7 mPa²h		
EA40	68.5 mPa²h		
LA_{peak}	102.5 dB	2022-07-26 13:51:44	
LAS_{max}	84.2 dB	2022-07-26 13:51:45	
LAS_{min}	54.8 dB	2022-07-26 13:46:45	
LA_{eq}	66.3 dB		
LC_{eq}	72.2 dB	LC_{eq} - LA_{eq}	5.9 dB
LAI_{eq}	70.6 dB	LAI_{eq} - LA_{eq}	4.3 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	66.3 dB		72.2 dB		--- dB	
$Ls_{(max)}$	84.2 dB	2022-07-26 13:51:45	--- dB		--- dB	
$LS_{(min)}$	54.8 dB	2022-07-26 13:46:45	--- dB		--- dB	
$L_{Peak(max)}$	102.5 dB	2022-07-26 13:51:44	--- dB		--- dB	

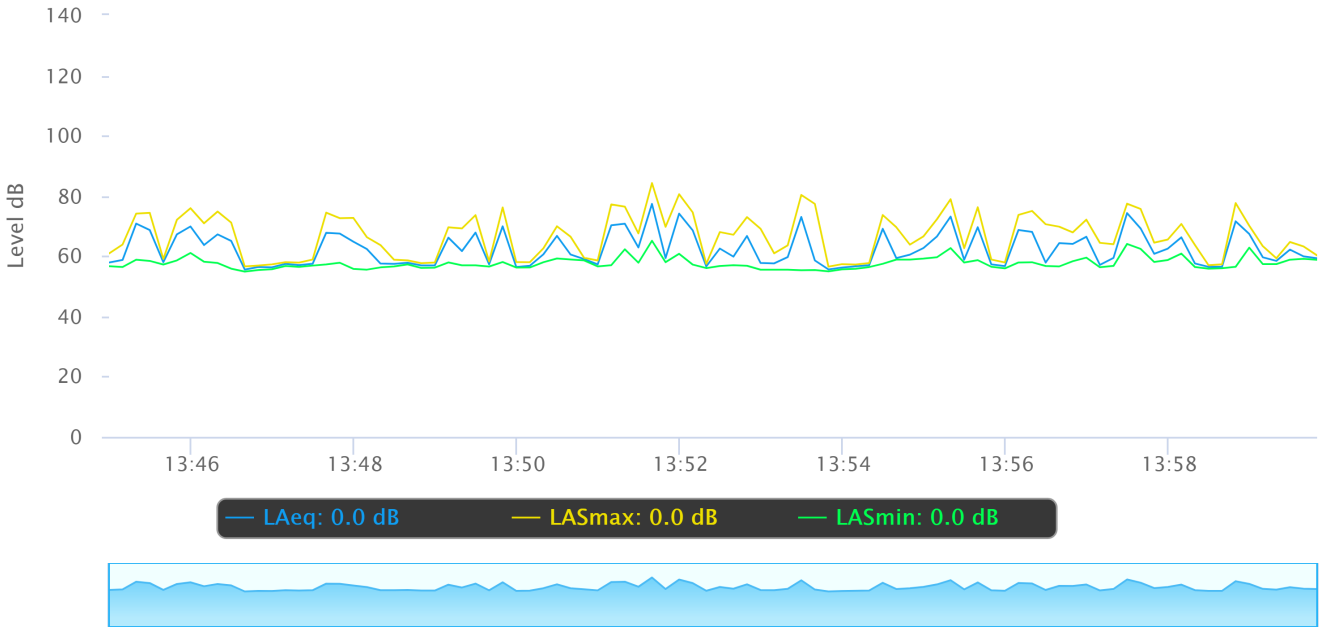
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	70.0 dB
LAS 33.3	61.6 dB
LAS 66.7	57.5 dB
LAS 90.0	56.3 dB

Time History



Measurement Report (Location 4)

Report Summary

Meter's File Name	LxT_Data.163.s	Computer's File Name	LxT_0005667-20220726 140158-LxT_Data.163.ldbin
Meter	LxT1 0005667		
Firmware	2.302		
User		Location	
Job Description			
Note			
Start Time	2022-07-26 14:01:58	Duration	0:15:00.0
End Time	2022-07-26 14:16:58	Run Time	0:15:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	63.3 dB		
LAE	92.8 dB	SEA	--- dB
EA	212.9 µPa²h		
EA8	6.8 mPa²h		
EA40	34.1 mPa²h		
LA_{peak}	92.9 dB	2022-07-26 14:09:36	
LAS_{max}	79.5 dB	2022-07-26 14:09:36	
LAS_{min}	55.6 dB	2022-07-26 14:13:47	
LA_{eq}	63.3 dB		
LC_{eq}	75.6 dB	LC_{eq} - LA_{eq}	12.3 dB
LAI_{eq}	64.6 dB	LAI_{eq} - LA_{eq}	1.4 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	63.3 dB		75.6 dB		--- dB	
$Ls_{(max)}$	79.5 dB	2022-07-26 14:09:36	--- dB		--- dB	
$LS_{(min)}$	55.6 dB	2022-07-26 14:13:47	--- dB		--- dB	
$L_{Peak(max)}$	92.9 dB	2022-07-26 14:09:36	--- dB		--- dB	

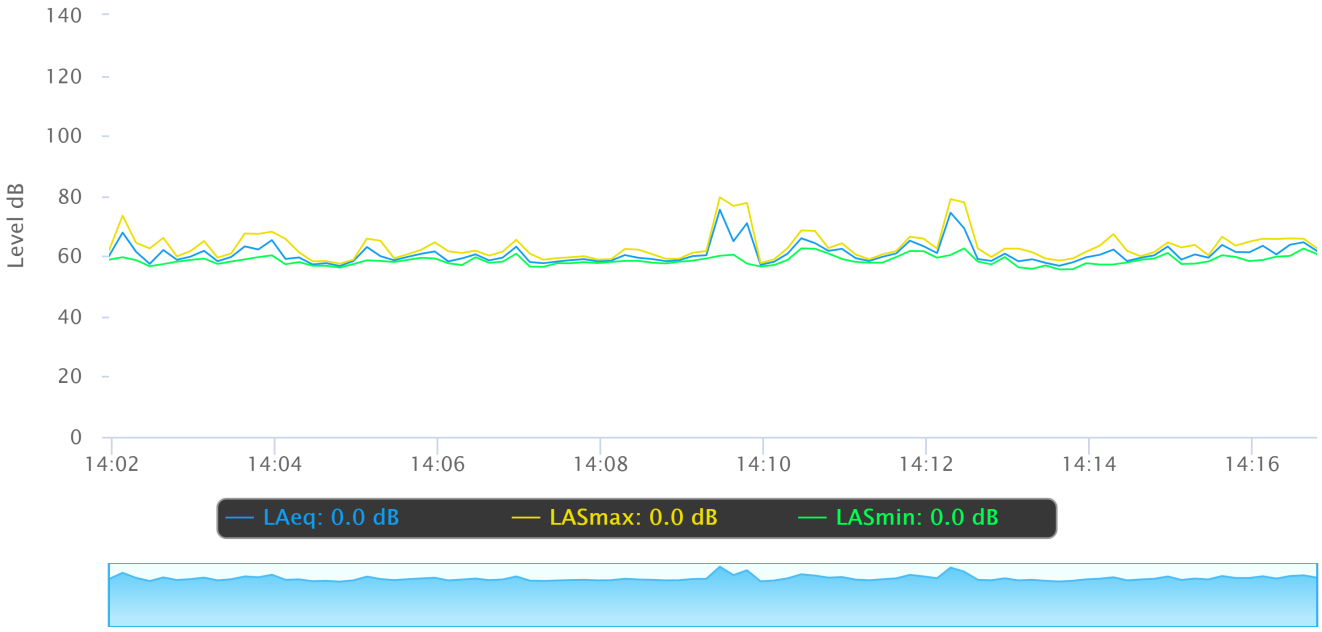
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	64.6 dB
LAS 33.3	60.7 dB
LAS 66.7	58.7 dB
LAS 90.0	57.6 dB

Time History



Project Site Noise Level (Ldn) (Location 2)		
Hour of Day	**dBA Leq**	**With Ldn Penalty**
12:00 AM	62.9	72.9
1:00 AM	62.9	72.9
2:00 AM	62.9	72.9
3:00 AM	62.9	72.9
4:00 AM	62.9	72.9
5:00 AM	62.9	72.9
6:00 AM	62.9	72.9
7:00 AM	62.9	62.9
8:00 AM	62.9	62.9
9:00 AM	62.9	62.9
10:00 AM	62.9	62.9
11:00 AM	62.9	62.9
12:00 PM	62.9	62.9
1:00 PM	62.9	62.9
2:00 PM	62.9	62.9
3:00 PM	62.9	62.9
4:00 PM	62.9	62.9
5:00 PM	62.9	62.9
6:00 PM	62.9	62.9
7:00 PM	62.9	62.9
8:00 PM	62.9	62.9
9:00 PM	62.9	62.9
10:00 PM	62.9	72.9
11:00 PM	62.9	72.9
	Calculated Ldn:	**69.3**

Daytime Hours:	7:00 AM - 10:00 PM
Nighttime Hours:	10:00 PM - 7:00 AM

Note: Ldn based on measurement data collected at Location 2. See noise monitoring data.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/9/2023
Case Description: Demolition

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
1. Residences to east	Residential	62	62	62

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	200	0
Dozer	No	40		81.7	200	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	77.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	69.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	77.5	71.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
2. Residences to northe	Residential	62	62	62

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	550	0
Dozer	No	40		81.7	550	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	68.8	61.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	60.8	56.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	68.8	63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Note: Per FTA guidance, two loudest pieces of demolition equipment used. Distance measured from receptor to location of building to be demolished

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/9/2023
Case Description: Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
1. Residences to east	Residential	62	62	62

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	100	0
Grader	No	40	85		100	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	74.7	70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	79	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	79	76.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
2. Residences to NE	Residential	62	62	62

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	370	0
Grader	No	40	85		370	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	63.3	59.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	67.6	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	67.6	65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Note: Per FTA guidance, two loudest pieces of grading equipment used. Distance measured from nearest receptor boundary to nearest site boundary.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/9/2023
Case Description: Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
1. Residences to east	Residential	62	62	62

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		100	0
Front End Loader	No	40		79.1	100	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		78	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	78	75.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
2. Residences to NE	Residential	62	62	62

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		370	0
Front End Loader	No	40		79.1	370	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		66.6	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		61.7	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	66.6	63.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Note: Per FTA guidance, two loudest pieces of building equipment used. Distance measured from nearest receptor boundary to nearest site boundary.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/9/2023
Case Description: Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
1. Residences to east	Residential	62	62	62

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	100	0
Pavement Scarafier	No	20		89.5	100	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
			Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
Paver	71.2	68.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	83.5	76.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.5	77.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
2. Residences to NE	Residential	62	62	62

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	370	0
Pavement Scarafier	No	20		89.5	370	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
			Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
Paver	59.8	56.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	72.1	65.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	72.1	65.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Note: Per FTA guidance, two loudest pieces of paving equipment used. Distance measured from nearest receptor boundary to nearest site boundary.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/9/2023
Case Description: Architectural Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
1. Residences to east	Residential	62	62	62

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	100	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	71.6	67.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.6	67.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
2. Residences to NE	Residential	62	62	62

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	370	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	60.3	56.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	60.3	56.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

TRAFFIC NOISE LEVELS

Project Name: 1355 California Circle

Background Information

Model Description:	FHWA Highway Noise Prediction Model with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s):	Existing, Existing Plus Project
Source of Traffic Volumes:	Transportation Analysis (1355 California Circle, Hexagon Transportation Consultants, December 1, 2022)
Community Noise Descriptor:	X

Assumed 24-Hour Traffic Distribution:	(Ldn) Day	Evening	(CNEL) Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Name Roadway Segment	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor[1]	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix: Medium Trucks	Vehicle Mix: Heavy Trucks	Peak Hour dB(A) L_{eq}	24-Hour dB(A) Ldn
Existing Traffic Noise												
Dixon Landing Road												
West of NB 880 Ramps	6	0	2,123	21,230	40	50	0	0	1.8%	0.7%	71.2	70.0
East of of NB 880 Ramps	6	0	2,708	27,075	40	50	0	0	1.8%	0.7%	72.2	71.1
California Circle												
North of NB 880 Ramps	4	10	1,284	12,840	35	50	0	0	1.8%	0.7%	67.1	65.9
South of NB 880 Ramps	4	10	761	7,610	35	50	0	0	1.8%	0.7%	64.8	63.7
Existing Plus Project Traffic Noise												
Dixon Landing Road												
West of NB 880 Ramps	6	0	2,157	21,565	40	50	0	0	1.8%	0.7%	71.2	70.1
East of of NB 880 Ramps	6	0	2,712	27,120	40	50	0	0	1.8%	0.7%	72.2	71.1
California Circle												
North of NB 880 Ramps	4	10	1,333	13,330	35	50	0	0	1.8%	0.7%	67.3	66.1
South of NB 880 Ramps	4	10	825	8,245	35	50	0	0	1.8%	0.7%	65.2	64.0

1 Distance in feet from the roadway centerline to nearest receptor location.

APPENDIX 3.14

Transportation Analysis

HEXAGON TRANSPORTATION CONSULTANTS, INC.

Memorandum

Date: December 1, 2022

To: Mr. Steve Chan, T.E., City of Milpitas

From: Brett Walinski, T.E.

Subject: Transportation Analysis for the 1355 California Circle Residential Development

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Hexagon Transportation Consultants, Inc. has completed this transportation analysis report for the proposed residential development at 1355 California Circle in Milpitas, California. The project, as proposed, would demolish an existing office building to accommodate the construction of a 206-unit residential development. Access to the site would be provided via driveways on California Circle. The site location is shown on Figure 1.

Scope of Study

The analysis was conducted in accordance with the standards and methodologies prescribed by the City of Milpitas for transportation analyses (TA's), the City of Milpitas Vehicle-Miles-Traveled (VMT) policy, the California Environmental Quality Act (CEQA), and the Valley Transportation Authority (VTA) Congestion Management Program (CMP).

In accordance with the City of Milpitas VMT policy, a VMT analysis was performed. The City's Transportation Analysis policy states that, in addition to a VMT analysis, land use and transportation projects may be required to conduct a Transportation Operational Analysis (TOA) to evaluate a project's adverse effects or identify operational deficiencies caused or exacerbated by a project. To that end, this study includes an analysis of weekday peak hour traffic conditions at three signalized intersections on California Circle. The study intersections are identified below and shown on Figure 2.

- California Circle and I-880 NB Ramps
- California Circle and Dixon Landing Road
- Dixon Landing Road and Milmont Drive

The effects of the project were evaluated during the weekday AM and PM peak hours. The AM peak hour of traffic is typically between 7:00 AM and 9:00 AM and the PM peak hour is typically between 4:00 PM and 6:00 PM. It is during these periods that the most congested traffic conditions occur on an average weekday. Traffic conditions were evaluated for the following scenarios:

Scenario 1: *Existing Conditions.* Existing conditions are represented by existing peak hour traffic volumes on the existing roadway network. Existing traffic volumes were obtained from recent traffic counts conducted in October 2022 (see appendix).

Scenario 2: *Existing Plus Project Conditions*. Project traffic volumes were added to existing traffic volumes to estimate existing plus project traffic volumes. Existing plus project conditions were represented by existing plus project traffic on the existing network and evaluated relative to existing conditions in order to determine potential project effects.

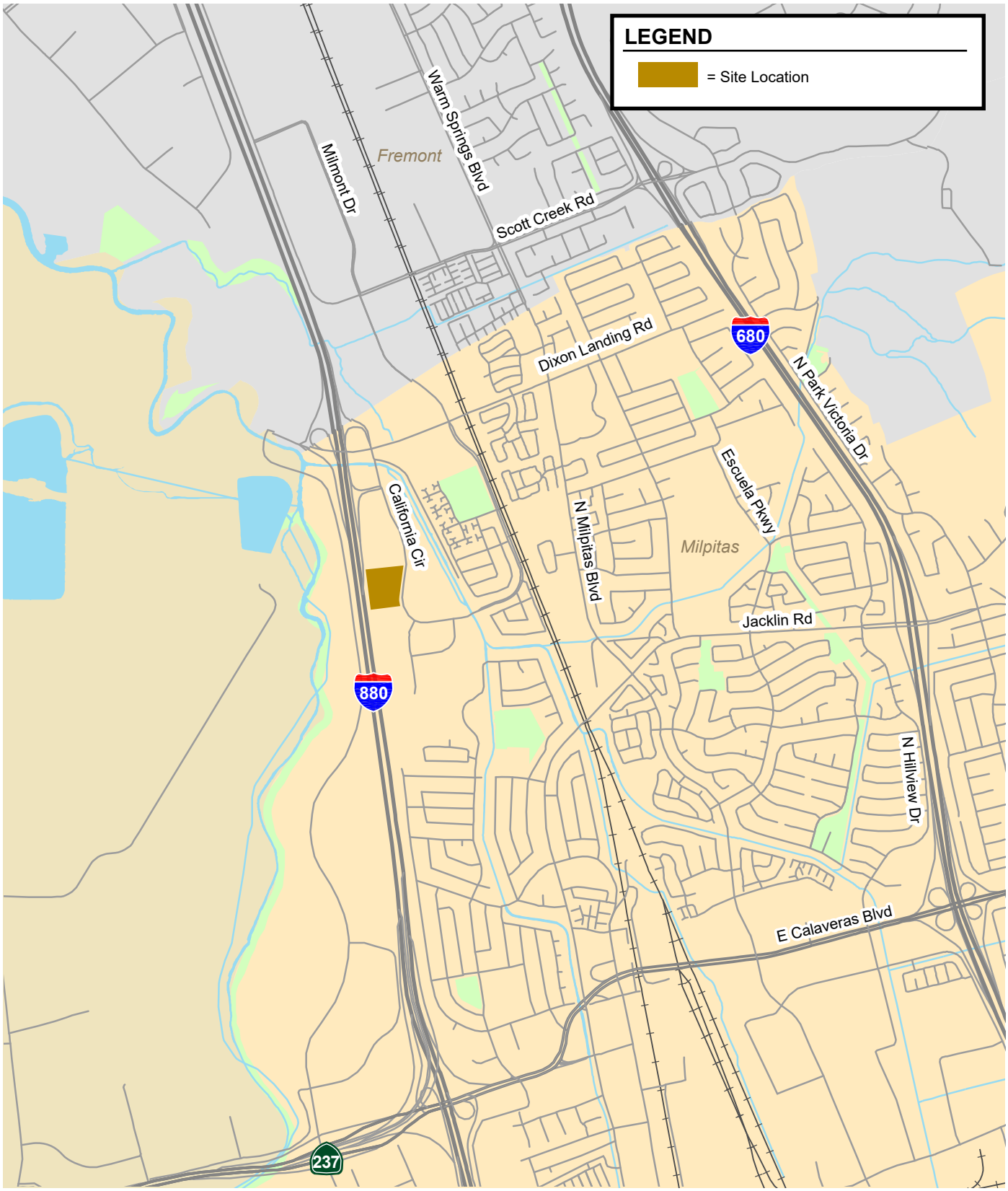


Figure 1
Site Location

NORTH
Not to Scale

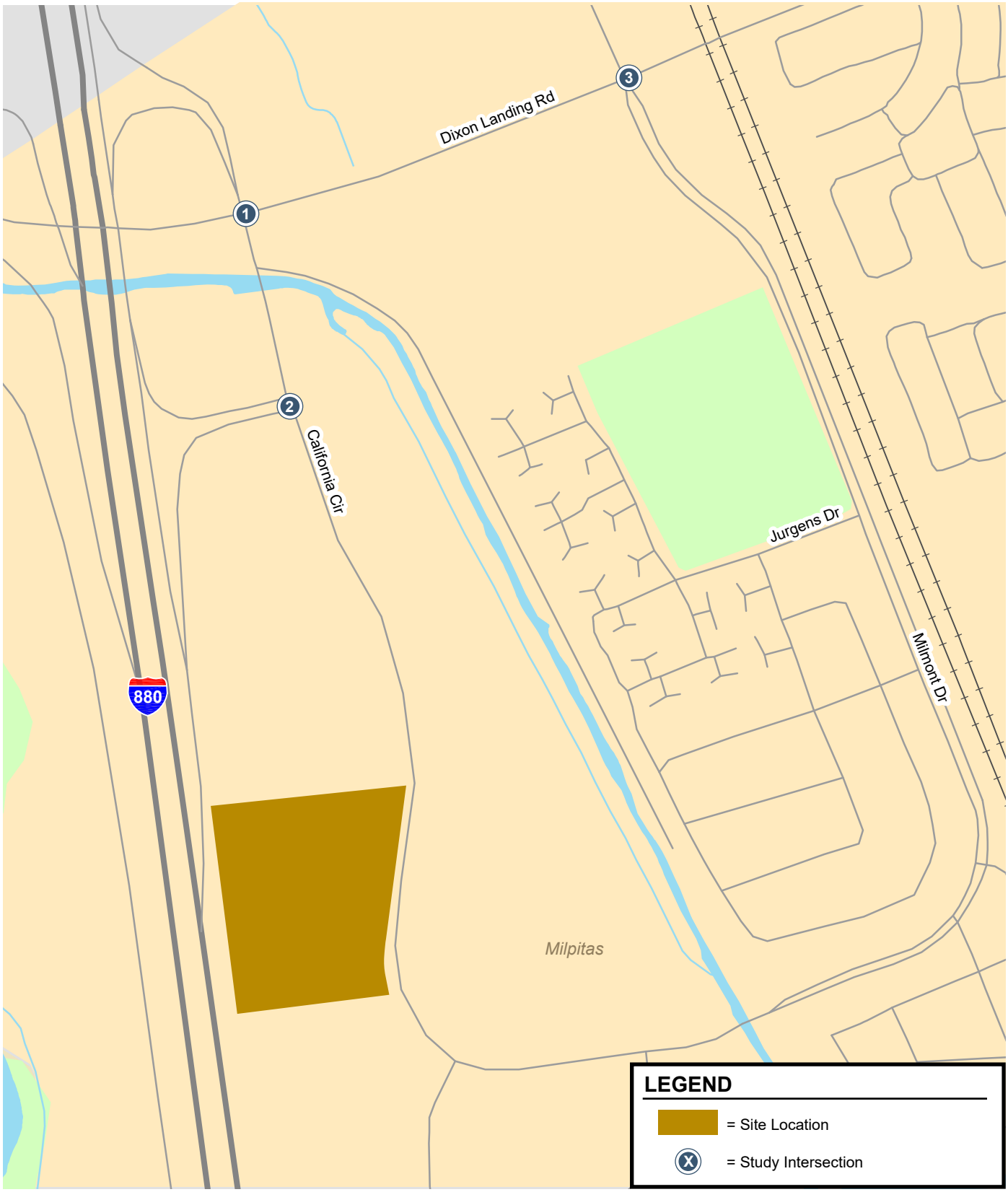


Figure 2
Study Intersections

A Congestion Management Program (CMP) analysis was not required because the project is estimated to generate fewer than 100 peak-hour trips. Intersection operations were evaluated using TRAFFIX, based on the Highway Capacity (HCM) level of service methodology for signalized intersections during peak hours. This report also includes an evaluation of project site access and circulation.

VMT Analysis

Senate Bill (SB) 743 has changed the primary metric for identifying transportation impacts under the California Environmental Quality Act (CEQA). Whereas the metric had been vehicle level of service (LOS), it's now daily vehicle-miles travelled (VMT). The City of Milpitas has established a VMT policy consistent with this law.

The City of Milpitas VMT Policy is described in the *City of Milpitas Transportation Analysis Policy*, May 2021.The policy defines the process by which to determine a project's impact on VMT. The process entails first conducting a screening analysis for the project. This is performed to determine whether the project can be screened out from further analysis based on project characteristics that in and of themselves are presumed to benefit VMT. If the project cannot be screened out, then the project's effect on VMT needs to be evaluated by means of a detailed VMT analysis.

VMT Screening

In the VMT screening analysis, projects are screened for various attributes that historically have been shown to reduce usage or reliance on motorized vehicles. It's the intent of SB 743 to encourage development of projects that fit that profile. Accordingly, specific criteria have been established to identify those types of developments. If the project meets these screening criteria, it is presumed to have a less than significant impact and can be screened out and placed on a track that bypasses further VMT analysis.

The City has established various screening criteria. A land use project can be screened out based on meeting any one of the following criteria.

Project Size. The City VMT policy specifies that small, in-fill projects- which the City defines as any project generating 110 or fewer daily trips- are exempt (screened out) from a detailed VMT analysis. The project meets this criterion when the existing use is considered (see Table 1), but given the proposed land use change, to fully disclose the project's VMT contributions, a detailed VMT assessment was conducted in the following section.

Retail Project Size. The City VMT policy specifies that local-serving retail projects- which the City defines as any retail project of size 100,000 square feet or less- are exempt from a detailed VMT analysis. The project does not meet this criterion.

Local-Serving Facilities. The City VMT policy specifies that local-serving projects- such as fire stations, neighborhood parks, branch libraries, community centers- are exempt from a detailed VMT analysis. The project does not meet this criterion.

Restricted Affordable Housing. The City VMT policy specifies that affordable ownership and rental housing projects meeting certain requirements- are exempt from a detailed VMT analysis. Although the project includes an affordable housing component, it does not meet the specific requirements stated in the policy.

Proximity to Transit. All land-use projects located within one-half mile of a major transit stop, or a stop along a high-quality transit corridor (pursuant to State definitions for such facilities) are exempt from detailed VMT analysis, provided the project includes all of the following characteristics:

- minimum Floor Area Ratio (FAR) of 0.75 or minimum residential density of 35 dwelling units/acre; and
- various other characteristics related to Sustainable Communities Strategies, maximum parking permitted, and preservation of existing affordable housing.

The project does not meet this criterion.

Detailed VMT Analysis

The *City of Milpitas Transportation Analysis Policy* establishes the Santa Clara Countywide Average VMT as the environmental baseline for land development projects. However, the proposed project would replace a vacant existing use on site. The City VMT policy does not directly address how redevelopment projects are to be treated. The State criteria does. The VMT analysis therefore employed the State method for redevelopment projects, which determines VMT impacts based on a comparison of the project total VMT to the total VMT for the existing use.

The state guidance is as follows: "*Where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact.*"

This analysis determined the total VMT for each of the existing R&D use and the project use, under 2022 and 2040 scenarios, using the Santa Clara County VMT Tool (see Table 1). The table shows that, for both years 2022 and 2040, the project would yield a VMT lower than the VMT of the existing use. Thus, per the State's policy described above, *the project would lead to a less-than-significant transportation impact.*

Table 1
Project VMT Comparison

Land Use	Size		Daily Rate [1]	Daily Trips	2022 Avg Trip Length [2]	2022 Total VMT	2040 Avg Trip Length [2]	2040 Total VMT
Proposed Use								
Multi Family Housing (Mid-Rise)	171	du	4.54	776	18.40	14,285	17.98	13,959
Multi Family Housing (Low-Rise)	35	du	6.74	236	18.40	4,341	17.98	4,241
	206			1,012		18,625		18,200
Existing Use								
R & D	90,000	sf	11.08	-997	20.01	-19,954	20.81	-20,752
	Net New:			**15**		**-1,329**		**-2,552**

[1] Trip generation rates obtained from ITE Trip Generation Manual, 11th Edition
[2] Home based VMT per capita/worker obtained from VTA Santa Clara Countywide VMT Evaluation Tool

Existing Transportation Setting

Regional access to the project site is provided via Interstate 880 (I-880). Local access to the site is provided via Dixon Landing Road and California Circle. These roadways are described below.

I-880 is a north-south freeway providing regional access from East Bay cities to San Jose, where it becomes SR 17 and extends into Santa Cruz. I-880 varies in width from six lanes through San Jose south of U.S. 101 to as many as twelve lanes plus HOV lanes in each direction through north San Jose, Milpitas and Fremont. Access to the site is provided by an interchange at I-880 and Dixon Landing Road.

Dixon Landing Road is an east-west arterial extending from west of N. McCarthy Boulevard to N. Milpitas Boulevard where it changes to Dixon Road extending eastward to end just west of I-680. Dixon Landing Road varies in width from two lanes west of McCarthy Boulevard, to six lanes (plus auxiliary lanes) at the I-880 interchange, to four lanes with center-left-turn lane east of Milmont Drive. It's five- to six-lanes wide in the vicinity of the site.

California Circle is primarily a four-lane north-south street extending from Dixon Landing Road to Penitencia Creek where it turns into Milmont Drive. California Circle is five lanes wide between Dixon Landing Road and the northbound 880 ramps, and four lanes with center-left-turn lane between the northbound 880 ramps and Fairview Way. California Circle provides direct access to the site.

Bicycle Facilities. The bicycle facilities in the City of Milpitas are identified and described in the *Milpitas Trail, Pedestrian and Bicycle Master Plan,* May 2022. The bicycle facilities in the immediate project study area consist of a Class III bike route on Dixon Landing Road from McCarthy Boulevard to California Circle, Class II bike lanes on California Circle from Dixon Landing Road to Milmont Drive, Class II bike lanes on Milmont Drive from California Circle to Dixon Landing Road and a Class I paved shared use path along the Penitencia Creek Trail from California Circle to Calero Creek.

In the future, the *Milpitas Trail, Pedestrian and Bicycle Master Plan* identifies planned intersection connectivity improvements on Dixon Landing Road at I-880 and various Class I paved shared use path (trail) improvements as described below.

Pedestrian Facilities. Sidewalks are provided along all streets near the site, with the exception of the west side of California Circle between Dixon Landing Road and the northbound I-880 ramps. All of the signalized study intersections provide crosswalks, curb ramps, and pedestrian-actuated pedestrian-crossing phases on most approaches. There are no crosswalks across Dixon Landing Road at the intersection with California Circle.

Directly in front of the site, across California Circle, there is a pedestrian-actuated flashing beacon with a high-visibility textured crosswalk, raised median refuge, and ADA-standard ramps. A pedestrian-actuated, pedestrian-only traffic signal with the same features (except the crosswalk isn't textured) is located about 250 feet north of the northern border of the project site. These pedestrian crossings provide direct and easy access across California Circle.

The *Milpitas Trail, Pedestrian and Bicycle Master Plan* identifies a number of planned pedestrian improvements within the study area. The plan identifies the following locations for *Priority Pedestrian Spot Improvements*: intersection crossing improvements at the intersection of Dixon Landing Road and California Circle; and unspecified spot improvements at the signalized intersections of Dixon Landing Road/Milmont Drive and California Circle/northbound 880 ramps. Spot improvements can, for example, include implementation of pedestrian countdown signals, leading pedestrian intervals, right turn restrictions, high visibility crosswalks, curb extensions, and median refuge islands, among others.

The plan also identifies a *Pedestrian Gap Improvement* (new sidewalks) on Dixon Landing Road between McCarthy Boulevard and Milmont Drive, and *Priority Trail Improvements* (Class I paved shared use paths) on Dixon Landing Road between N. McCarthy Boulevard and California Circle, and on the Penitencia Creek trail between California Circle and Milmont Drive. *Priority Trail Spot Improvements* include trailhead improvement at Penitencia Creek at Dixon Landing Park and *Trail Access Improvements* for the Penitencia Creek trail at Milmont Drive/California Circle.

Proposed trail network improvements also include adding a Class I paved shared use path on the south side of Dixon Landing Road between McCarthy Blvd and Penitencia Creek, and along the west side of the Penitencia Creek between Dixon Landing Road and south of California Circle/Milmont Drive.

Transit Service. Existing transit service in the project vicinity is provided by the Santa Clara Valley Transportation Authority (VTA) and AC Transit. The bus routes nearest the site are VTA Line 66 and AC Transit Lines 217 and 239.

AC Transit Line 239 connects the Fremont BART to Milmont Drive/Kato Road via Warm Springs Boulevard/North Milpitas Boulevard and Dixon Landing Road. The nearest bus stops

are located at the intersection of Milmont Drive and and Dixon Landing Road approximately 0.65 miles from the site.

AC Transit Line 217 connects the Great Mall Transit Center/Milpitas BART with the Fremont BART station via Warm Springs Boulevard/North Milpitas Boulevard. The nearest bus stops are located at the intersection of N. Milpitas Boulevard and Dixon Landing Road one mile from the site.

VTA Line 66 connects North Milpitas (Dixon Road at Arizona Avenue) to Kaiser in south San Jose via N. Milpitas Boulevard and Dixon Road in the vicinity of the site. The nearest bus stops are located at the intersection of N. Milpitas Boulevard and Dixon Landing Road one mile from the site.

The BART stations nearest the site are the Warm Springs/South Fremont station and the Milpitas BART station located approximately four and five miles from the site, respectively.

Existing Traffic Observations

Traffic conditions in the field were observed in order to identify existing operational deficiencies and to confirm the accuracy of calculated levels of service. The purpose of this effort was (1) to identify any existing traffic problems that may not be directly related to intersection level of service, and (2) to identify any locations where the level of service calculation does not accurately reflect level of service in the field. Notable observations are summarized below.

Milmont Drive and Dixon Landing Road: AM peak hour. During the AM peak hour, westbound through traffic often extended back (eastward) several hundred feet, well past the end of the westbound left-turn pocket on Dixon Landing Road. During many signal cycles the queue prevented the left-turning vehicles from entering the left-turn pocket, forcing the vehicles to miss the cycle when they otherwise would not have missed it. Conversely, occasionally the westbound left-turn vehicles backed out of the pocket and blocked the westbound through movements. But for this deficiency, the signal green time for the westbound movements was satisfactory to clear all vehicles in a single cycle. In addition, during the AM peak hour, the southbound vehicle queue occasionally extended back several hundred feet (northward) due to the high volume of southbound right turns onto Dixon Landing Road. The high volume of westbound through vehicles provides few opportunities for the southbound right turns to negotiate right turns on red. The signal phasing does not in those cases provide sufficient time to clear all the vehicles in the queue in a single cycle.

Milmont Drive and Dixon Landing Road: PM peak hour. During the PM peak hour, eastbound through traffic on Dixon Landing Road occasionally extended back to and past the intersection at California Circle.

Project Traffic Estimates

The magnitude of traffic produced by a new development, and the locations where that traffic would appear, are typically estimated using a three-step process: (1) trip generation, (2) trip distribution, and (3) trip assignment. In determining project trip generation, the magnitude of traffic entering and exiting the site was estimated for the weekday AM and PM peak hours. As part of the project trip distribution step, an estimate was made of the directions to and from which the project trips would travel. In the project trip assignment step, the project trips were assigned to specific streets and intersections in the study area. These procedures are described further in the following sections.

Through empirical research, data have been collected that correlate common land uses to their propensity for producing traffic. Thus, for the most common land uses there are standard trip generation rates that can be applied to help predict the future traffic increases that would result from a new development. Project trip generation was estimated by applying to the size and uses of the development the appropriate trip generation rates published by the Institute of Transportation Engineers (ITE) in *Trip Generation*, *11th Edition*. Based on ITE's trip generation rates, the project would generate 1,012 daily vehicle trips, with 77 trips occurring during the AM peak hour and 85 trips occurring during the PM peak hour. The project trip generation is shown in Table 2.

Table 2
Project Trip Generation Estimates

		Daily		AM Peak Hour				PM Peak Hour			
Land Use	Size	Rate	Trips	Rate	In	Out	Total	Rate	In	Out	Total
Multi Family Housing (Mid-Rise) [1]	171 du	4.54	776	0.37	15	48	63	0.39	41	26	67
Multi Family Housing (Low-Rise) [2]	35 du	6.74	236	0.40	3	11	14	0.51	11	7	18
	206 du		1,012		18	59	77		52	33	85

[1]Trip generation based on average rates in the *ITE Trip Generation Manual, 11th Edition* , for Multifamily Housing (Mid-Rise, not near rail transit) (LU Code 221).
[2]Trip generation based on average rates in the *ITE Trip Generation Manual, 11th Edition* , for Multifamily Housing (Low-Rise, not near rail transit) (LU Code 220).

The project trip distribution pattern, shown on Figure 3, was estimated in consultation with City staff, based on the surrounding land uses and locations of major employment centers in the area. The project trips were assigned to the roadway network in accordance with the trip distribution. The project trip assignment is shown on Figure 4.

Traffic Volumes and Roadway Network

Traffic volumes for existing conditions were determined from existing traffic counts conducted in October 2022. The existing volumes are shown on Figure 5. Existing plus project traffic conditions are represented by existing traffic volumes plus project trips on the existing roadway network. Existing plus Project volumes are shown on Figure 6. The count data are included in Appendix A.

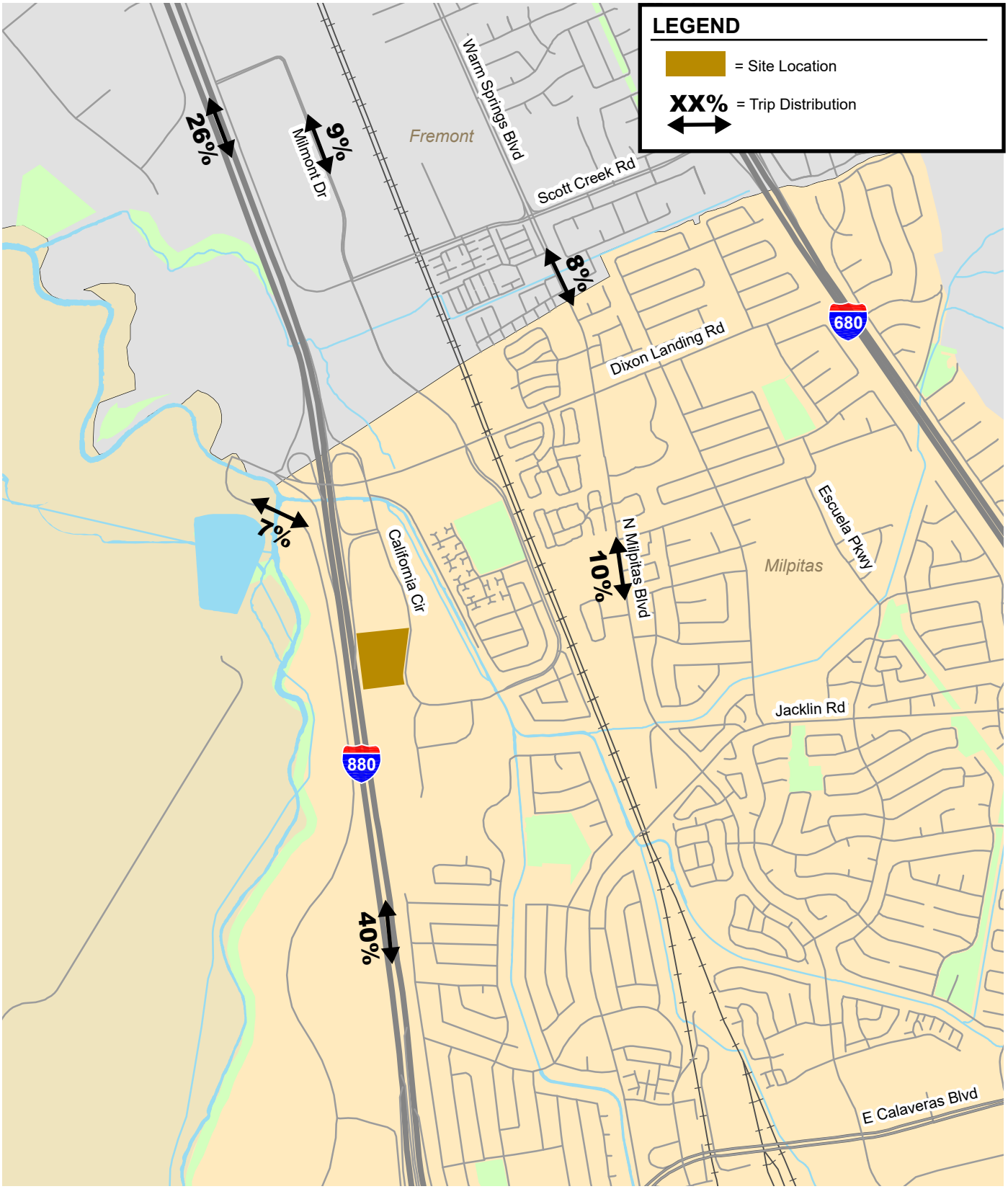


Figure 3
Project Trip Distribution

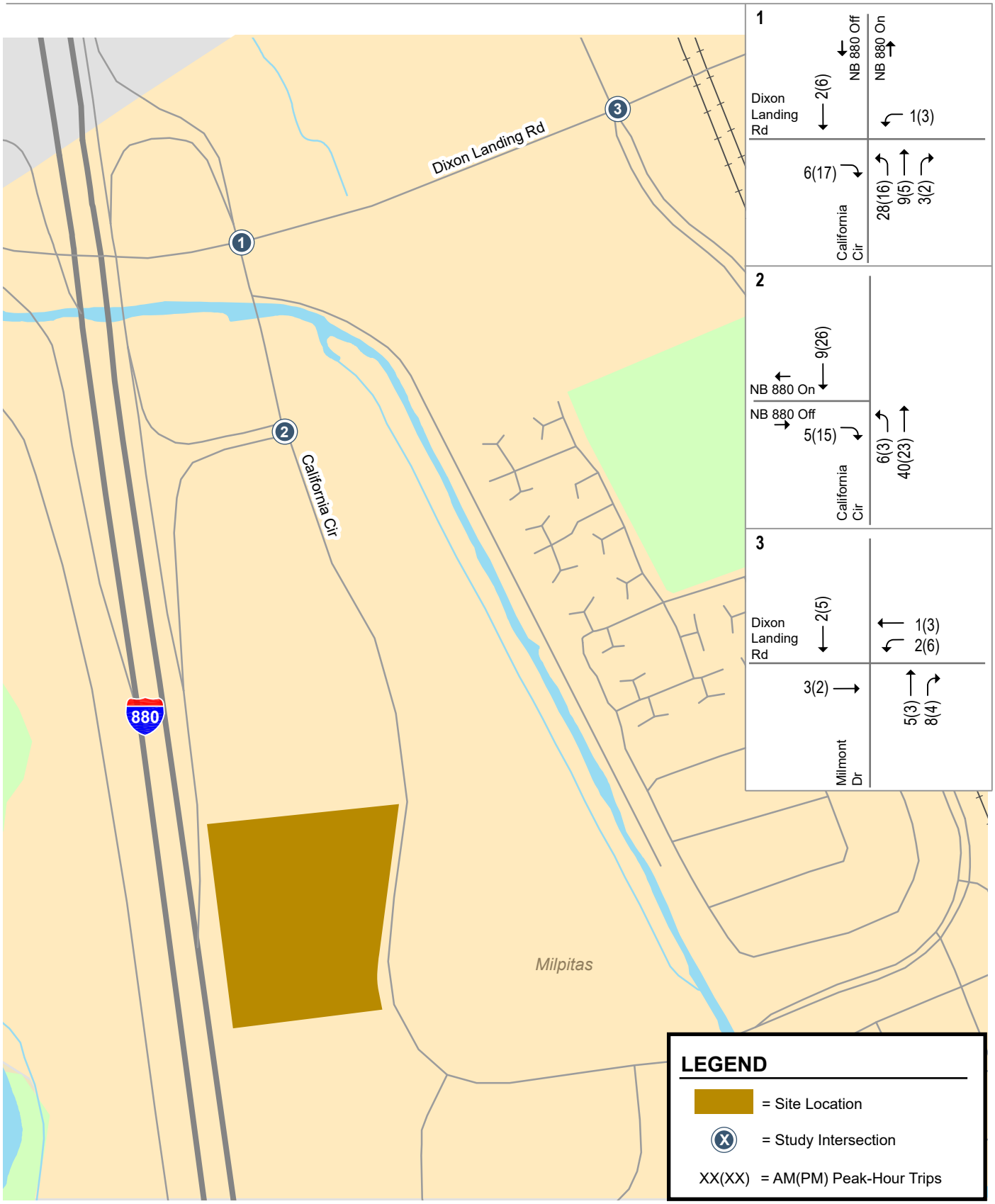


Figure 4
Project Trip Assignment

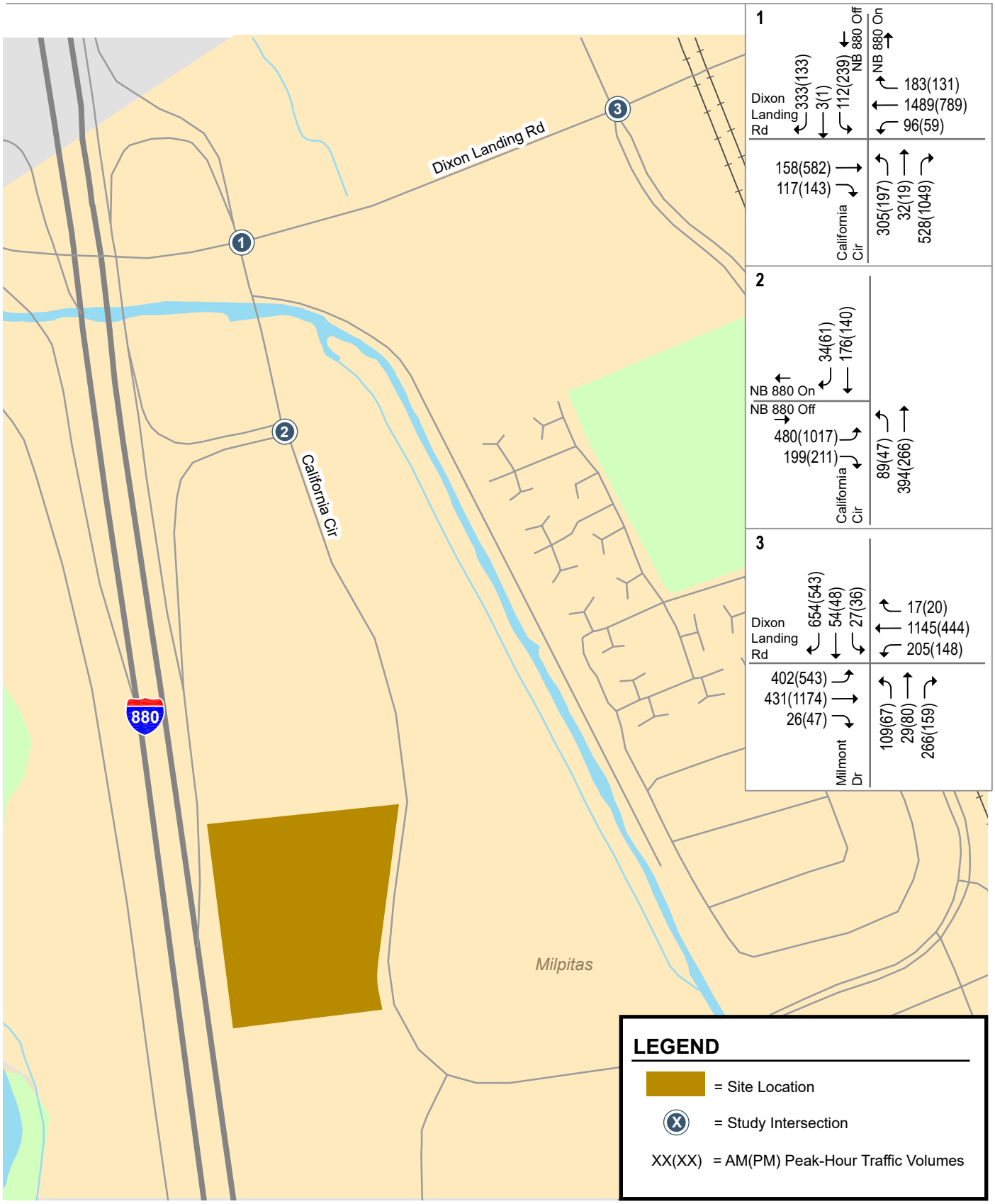


Figure 5
Existing Traffic Volumes

NORTH
Not to Scale

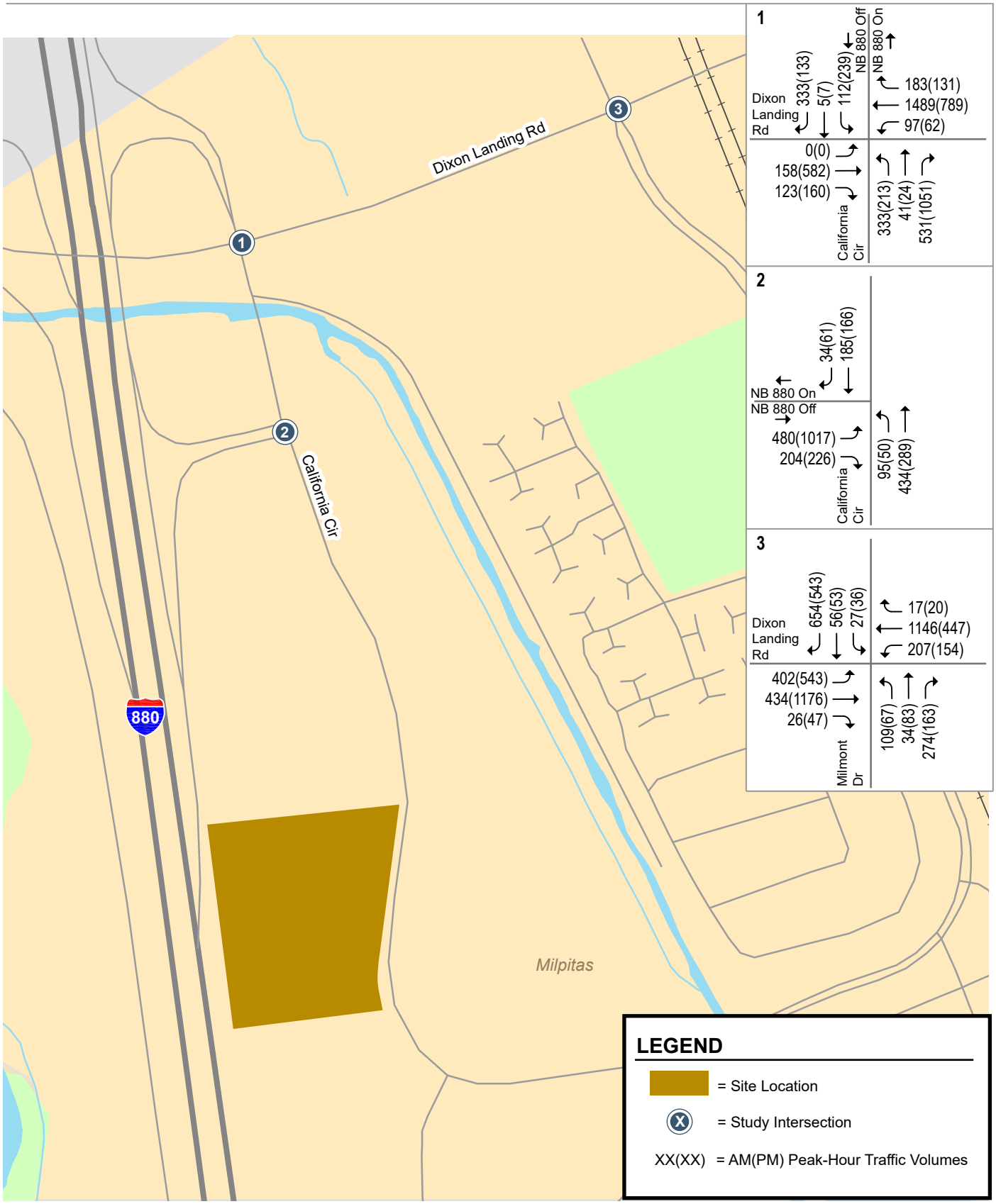


Figure 6
Existing Plus Project Traffic Volumes

Signalized Intersection Level of Service Analysis

Traffic conditions at the signalized study intersections were evaluated using level of service (LOS). *Level of Service* is a qualitative description of operating conditions ranging from LOS A, or free-flow conditions with little or no delay, to LOS F, or jammed conditions with excessive delays. The City of Milpitas utilizes TRAFFIX software and the Highway Capacity Manual (HCM) methodology to evaluate intersection operations. The HCM methodology evaluates intersection operations on the basis of average delay time for all vehicles at the intersection.

At signalized intersections in Milpitas, the minimum acceptable level of service is LOS D. According to the City of Milpitas, significant project effects at signalized intersections occur when:

1. The level of service at an intersection drops below its LOS standard when project traffic is added; or
2. An intersection that is operating worse than its level of service standard under no project conditions has an increase in critical delay of four or more seconds AND the demand-to-capacity ratio (V/C) is increased by more than 0.01 when project traffic is added.

The exception to this threshold is when the addition of project traffic reduces the amount of average delay for critical movements (i.e. the change in average delay for critical movements is negative). In that case, the threshold is when the project increases the critical V/C value by 0.01 or more.

A significant effect at a signalized intersection is said to be satisfactorily mitigated when measures are implemented that would restore intersection levels of service to an acceptable LOS or restore the intersection to operating levels that are better than no project conditions.

Intersection levels of service were calculated for existing and existing plus project conditions. The results of the intersection level of service analysis under existing and existing plus project conditions are summarized in Table 3.

The results show that the intersection of Milmont Drive and Dixon Landing Road operates at LOS E in each of the AM and PM peak hours under both existing and existing plus project conditions. Though the LOS E operations exceed acceptable levels of service, the increases in critical delay and V/C do not meet the criteria for significant adverse effects on traffic. The other two study intersections are shown to operate at acceptable levels of service in the AM and PM peak hours under both existing and existing plus project conditions. According to the City of Milpitas level of service standards, the project would therefore have no significant adverse effects on traffic operations. The level of service calculation sheets are included in Appendix B.

Table 3
Level of Service

Intersection	Peak Hour	Count Date	Existing Avg. Delay	Existing LOS	Existing + Project Avg. Delay	Existing + Project LOS	Increase in: Delay[1]	Increase in: V/C
California Circle & Dixon Landing Rd	AM	10/26/22	24.2	C	24.6	C	0.6	0.011
	PM	10/26/22	25.1	C	25.1	C	0.0	0.002
California Circle & NB I-880 ramps	AM	10/26/22	12.4	B	12.5	B	0.2	0.010
	PM	10/26/22	11.6	B	11.8	B	0.2	0.010
Milmont Dr & Dixon Landing Road	AM	10/26/22	69.8	E	70.6	E	1.1	0.005
	PM	10/26/22	57.2	E	57.9	E	1.1	0.007

Note 1: Signalized intersection levels of service are based on the Highway Capacity Manual (HCM) methodology. Signalized intersection levels of service and delays reported are for average control delay

Note 2: City of Milpitas LOS standard is LOS D.

[1] The increase in delay shown here represents increase in critical delay.

Vehicle Queuing

A vehicle queuing analysis was conducted for the northbound and westbound left-turn movements at the intersection of California Circle/Dixon Landing Road, and for the northbound left-turn movement at the intersection of California Circle/northbound 880 ramps.

The queuing analysis was conducted for both existing and existing plus project conditions. The results of the queuing analysis are shown in Table 4.

Consistent with the previously reported observations in the field, the queuing analysis showed that there is and will be adequate vehicle storage to accommodate the expected maximum vehicle queues at the two study intersections on California Circle.

Table 4
Vehicle Queuing

Measurement	California Circle & Dixon Landing Road		California Circle & NB 880 ramps
	NB Left-Turn	WB Left-Turn	NB Left-Turn[3]
Existing			
AM Peak Hour			
Cycle/Delay (sec)[1]	90	90	55
Volume (vph)	305	96	89
Avg. Queue (veh)	7.6	2.4	1.4
Avg. Queue (ft.)[2]	191	60	34
95th %. Queue (veh)	12	5	3
95th %. Queue (ft.)[2]	300	125	75
Storage	700	380	200
PM Peak Hour			
Cycle/Delay (sec)[1]	90	90	55
Volume (vph)	197	59	47
Avg. Queue (veh)	4.9	1.5	0.7
Avg. Queue (ft.)[2]	123	37	18
95th %. Queue (veh)	9	4	2
95th %. Queue (ft.)[2]	225	100	50
Storage	700	380	200
Existing + Project			
AM Peak Hour			
Cycle/Delay (sec)[1]	90	90	55
Volume (vph)	333	97	95
Avg. Queue (veh)	8.3	2.4	1.5
Avg. Queue (ft.)[2]	208	61	36
95th %. Queue (veh)	13	5	4
95th %. Queue (ft.)[2]	325	125	100
Storage	700	380	200
PM Peak Hour			
Cycle/Delay (sec)[1]	90	90	55
Volume (vph)	213	62	50
Avg. Queue (veh)	5.3	1.6	0.8
Avg. Queue (ft.)[2]	133	39	19
95th %. Queue (veh)	9	4	2
95th %. Queue (ft.)[2]	225	100	50
Storage	700	380	200

[1] Vehicle queue calculations are based on approach delay for unsignalized intersections and cycle length for signalized intersections.

[2] Assumes 25 feet per vehicle queued.

[3] Storage distance based on distance from stop bar back to the driveway to the office and retail.

Site Access

The project site plan, provided by *Civil Engineering Associates, Inc.*, dated February 16, 2022, is shown on Figure 7. The site consists of two separate self-contained areas with no connection between them. These areas include the apartments in the northeast part of the site, hereafter called the Northeast site, and the condominiums and townhomes, hereafter called the South site. Site access for the Northeast site would be provided by a single driveway- the north driveway. Site access for the South site would be provided by a single driveway- the south driveway. Site access for both driveways is described below.

The (overall) site is located one-quarter mile south of the northbound ramps/California Circle intersection and 430 feet north of Cadillac Court.

The existing site has two driveways on California Circle, one at the southern border, the other nearer to the northern border. The site plan shows the proposed project to similarly have two driveways, both shifted northward relative to the existing driveway locations. The north driveway would be moved approximately 55 feet northward toward the site's northern border and the south driveway would be moved northward about 150 feet, away from the site's southern edge. The two driveways would be separated by approximately 325 feet.

The north driveway would provide access to the 75 apartment units and the parking garage serving it (Northeast site). The south driveway would serve the 131 condominiums and townhome units located in the southern and western portions of the site (South site).

The existing site has two internal driveways connecting to the adjacent site to the north, one midway between the project site's east and west borders, and one at the western border. These driveways are currently fenced off, as is the entire site but for the main entrance on California Circle. Along the site frontage and at the two driveways, California Circle is four lanes wide with a two-way-left-turn (TWLT) lane, sidewalk, curb & gutter, and Class II bike lanes on both sides. Parking on street is prohibited on both sides. The speed limit is 35 miles per hour.

The proposed site driveways would function as full-access, side-street-stop-controlled T-intersections. The project site plan shows the north driveway to be 26 feet wide, with a throat depth of approximately 15 feet from the California Circle curb face to the first parking space on the north side of the parking lot. The driveway width can accommodate one inbound and one outbound lane.

Right turns into the north driveway would be made from the shoulder lane of southbound California Circle. Left turns into the north driveway would be made from the northbound direction of the two-way-left-turn lane.

The site plan shows the south driveway to have the same geometric and operational features as described above for the north driveway, with the following exceptions. The south driveway is shown to have a throat depth of approximately 70 feet as measured from the California Circle curb line back to the westernmost intersecting onsite private street. And the south driveway is shown to be located south of and directly adjacent to the previously described existing pedestrian crossing with flashing beacon and raised median refuge.

> **Recommendation 1**: The existing pedestrian crossing and associated fixtures would block outbound left turns from the south driveway onto northbound California Circle. This driveway should be relocated, or the crosswalk relocated, or the crosswalk design modified, such that all vehicle and pedestrian movements could be accommodated to and from the project driveway.

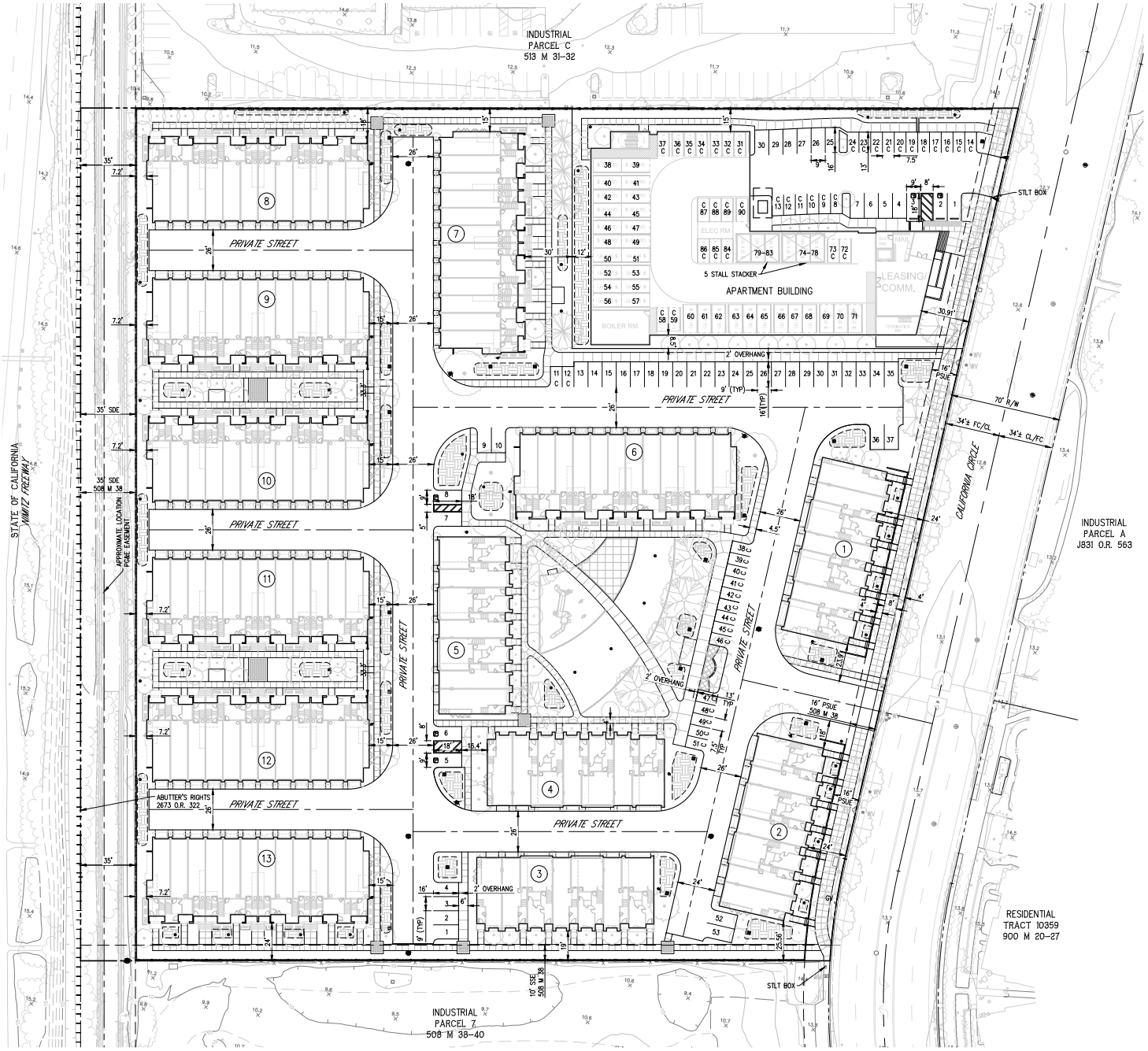


Figure 7
Project Site Plan

NORTH
Not to Scale

Operations at Driveways

Driveway operations, specifically, vehicle delays and vehicle queues, were assessed for the two site driveways. The assignment of project trips at the north and south driveways was determined in accordance with the types and sizes of the residential uses served by each driveway. The number of project trips at each driveway is shown on Figure 8.

Inbound Left-Turns

At the north driveway, the project is expected to generate one inbound left turn in the AM peak hour and 3 inbound left turns in the PM peak hour. This equates to an average arrival rate of one car in the AM peak hour and one car every 20 minutes in the PM peak hour. Note that the northbound left-turning vehicles waiting to turn would queue in the two-way-left-turn lane outside of the northbound traffic stream.

The project is expected to generate 3 inbound left turns in the AM peak hour and 8 inbound left turns in the PM peak hour at the south driveway. This equates to an arrival rate of one car every 20 minutes in the AM peak hour and one car every 7 minutes in the PM peak hour. As noted previously, northbound left-turn vehicle queues would occur outside of the northbound traffic stream.

Inbound Right-Turns

Right turns into the driveways would be made from the shoulder lane of the two southbound lanes. Right-turning vehicles, when slowed or stopped, would therefore not completely obstruct southbound traffic. The highest volumes of right turns into the site would be 15 vehicles (one arriving every 4 minutes, on average) at the north driveway and 26 vehicles (one arriving every 2 minutes, on average) at the south driveway in the PM peak hour. The AM peak-hour volumes are lower.

Outbound Shared Left/Right Turns

Since the site driveways provide a single outbound lane, the volume of vehicles outbound at the site driveways consists of the combined volumes of the outbound left turns and right turns.

North Driveway

At the north driveway, the project is expected to generate 21 outbound trips in the AM peak hour and 11 outbound trips in the PM peak hour. Based on these volumes and the existing traffic volumes on California Circle, the operations analysis estimated a delay of 13 seconds in the AM peak hour and 12 seconds in the PM peak hour for outbound traffic at the north driveway under existing plus project conditions. The vehicle queuing analysis showed the estimated 95th-percentile maximum vehicle queue for outbound traffic from the north driveway was one vehicle, equivalent to a queue of 25 feet, in both the AM and PM peak hours under existing plus project conditions.

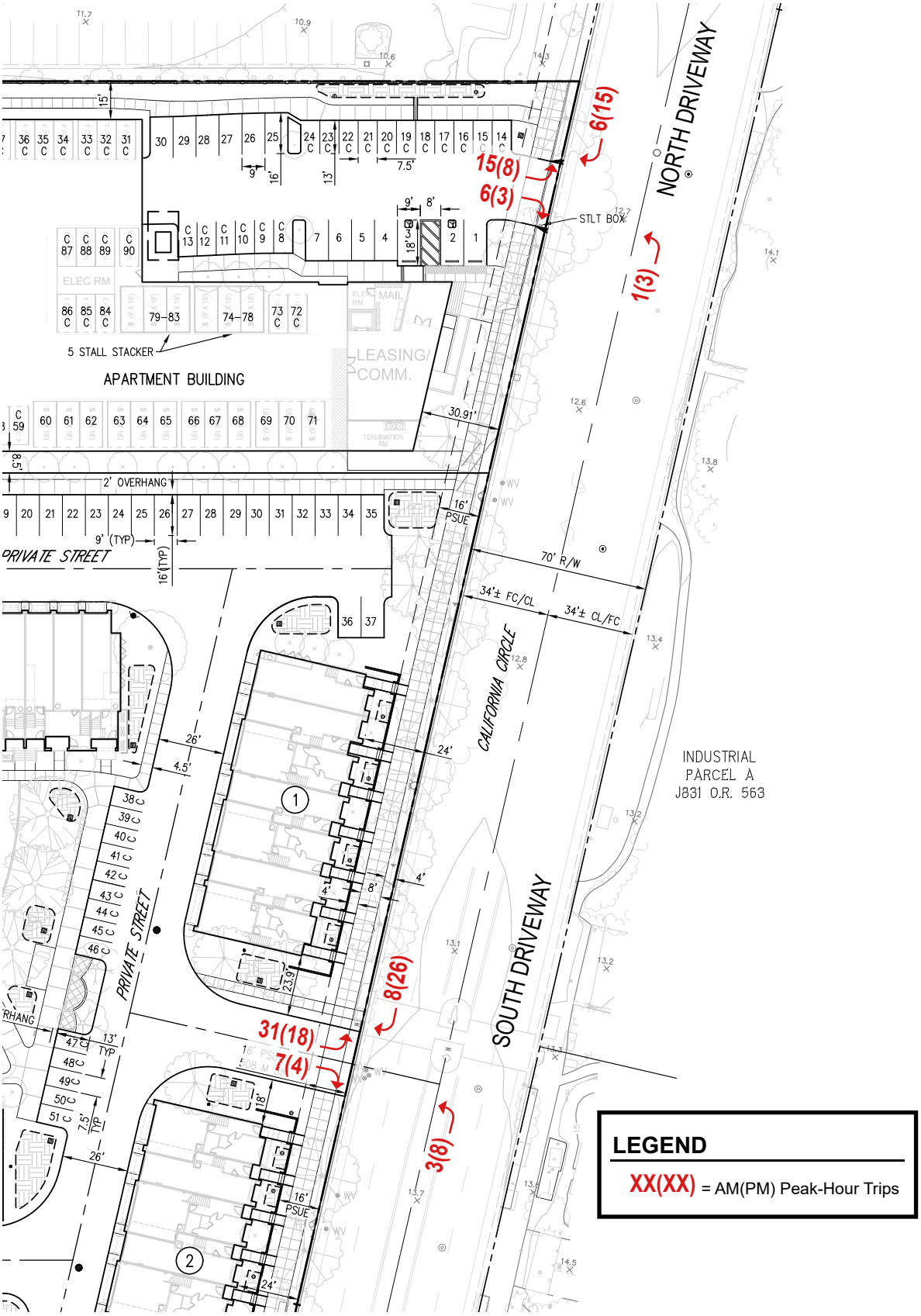


Figure 8
Project Trips at Site Driveways

The onsite vehicle storage for outbound vehicles at the north driveway is shown to be 15 feet, as measured from the California Circle curb face to the point where queued vehicles would obstruct the first parking space onsite. With a single vehicle assumed to occupy 25 linear feet, a queue of one vehicle would obstruct the parking space. Thus, the estimated 95th-percentile maximum vehicle queue of one vehicle would exceed the available "storage" as thus defined and would block the easternmost parking space on the north side of the north lot. However, based on the outbound volumes and an average delay of 12 to 13 seconds, the obstruction would occur, on average, only once every 5 minutes for an average duration of 13 seconds, during the peak hours. Given that there is only 15 feet of clear throat between the closest onsite parking space and the traveled way on California Circle, in the event a vehicle is backing out of the nearest parking stalls, there would be very little time and space for inbound turning vehicles to see and react. This could create a situation where inbound vehicles stop or slow in the southbound travel way on California Circle.

> **Recommendation 2:** Parking should be eliminated at the north driveway such that the driveway has a clear throat of at least 25 feet. This is necessary so that parked vehicles and incoming vehicles have adequate time and space to react.

Sight distance at the north site driveway looking left (north) would be adequate, it being limited only by a horizontal curve approximately 300 feet upstream of the driveway. There presently are no visual obstructions along that line of sight. There is no vertical curve, no on-street parking, and currently no signs or landscaping obstructing the view of a driver exiting the location of the existing driveway or the slightly relocated north driveway shown on the site plan. The main considerations as to potential adverse effects to line of sight would be landscaping, signage, monument signs or other permanent roadside fixtures.

> **Recommendation 3:** The project shall maintain the landscaping near the project driveways such that it doesn't obstruct the line of sight to California Circle. Placement of any monument signs or other permanent fixtures would need to be located out of the line of sight of exiting drivers. The final site plan will need to be reviewed by city staff.

South Driveway

At the south driveway, the project is expected to generate 38 outbound trips in the AM peak hour and 22 outbound trips in the PM peak hour. Based on these volumes and the existing traffic on California Circle, the operations analysis estimated a delay of 14 seconds in the AM peak hour and 12 seconds in the PM peak hour for outbound traffic at the south driveway under existing plus project conditions. The vehicle queuing analysis showed the estimated 95th-percentile maximum vehicle queue for outbound traffic from the south driveway was one vehicle in both the AM and PM peak hours under existing plus project conditions.

The onsite vehicle storage for outbound vehicles at the south driveway is shown to be 70 feet, as measured from the California Circle curb line back to the intersecting private street onsite. Accordingly, the 70 feet of vehicle storage would accommodate the estimated 95th-percentile maximum vehicle queue of 25 feet.

Sight distance at the south site driveway would be adequate in both directions. There presently are no visual obstructions along either the north or south line of sight. The main considerations as to potential adverse effects to line of sight would be landscaping, signage, monument signs or other permanent roadside fixtures. Refer to Recommendation 3 above.

Site Circulation

As described previously, the site is divided into two parts- the Northeast site, which includes just the apartments, and is accessible via the previously described north driveway; and the South site, which includes the for-sale townhomes and condominiums, and is accessible via the previously described south driveway. The two areas, which are shown to not be internally connected, are described separately below.

Northeast Site (Apartments)

Circulation/Layout

The parking and vehicle circulation layout for the apartments includes a surface parking lot that is accessible by the site's north driveway on California Circle, and a ground-floor parking garage, below the apartments, that is accessed from the surface lot.

Starting from the north driveway, the surface lot drive aisle extends west 160 feet to the at-grade garage entrance, continues inside the garage an additional 50 feet west where the drive aisle turns left, extends south about 70 feet, where it again turns left and continues east approximately 135 feet where it dead ends. The site plan shows the two-way drive aisle, both in the surface lot and in the garage, would vary in width between 25 and 27 feet, with ninety-degree angle parking along both sides.

The circulation on site- a simple half loop with dead end- appears adequate. The parking stalls at the dead end are shown to be set back from the wall by at least seven feet, thereby providing sufficient room for vehicles to maneuver out of the end spaces. The dead end would be acceptable provided that all parking in the garage is assigned parking only.

> **Recommendation 4:** The project shall ensure all parking in the garage is assigned parking only. The entrance to the garage should be signed accordingly since there is no gate to prevent visitors from entering the garage.

Parking Layout

The types of parking on the Northeast site vary, there being compact spaces, as well as standard spaces in regular stalls, in tandem stalls, and in 5-stall stackers. The latter two are located inside the garage. The plan shows two handicap-accessible spaces in the surface lot, directly adjacent to the building's lobby entrance, and one handicap-accessible space in the garage, at the dead end where access is provided to the front lobby by double doors. Three electric vehicle charging stations are shown in the lot near the building's front entrance. Overall, the project proposes to provide 90 parking spaces.

Emergency, Garbage, and Truck Access

The fire truck access plan shows the Northeast site to have adequate fire truck access. The site plan shows trash pickup would occur on street at the southeast corner of the site. However, the Northeast site plan does not show an on-site loading zone or turnaround space for delivery trucks, moving trucks or passenger vehicles. The project needs to provide a means by which trucks or other vehicles can exit the site without backing out onto California Circle.

> **Recommendation 5:** The project shall provide onsite a designated area for loading/unloading and provide turnaround space for vehicles to exit the site.

Pedestrian Access

Pedestrian access from the garage to the apartments would be provided via two stairwells, one located in the northwest corner of the garage, the other located at the dead end at the east end of the garage. There is also a set of doors at the dead-end in the garage connecting it with the front leasing office and access to elevators. Pedestrian walkways are provided on the perimeter of the surface lot, providing access to the front lobby entrance at the east end of the building, as well as providing access to the garage stairwell at the northwest corner of the building. The site plan for the Northeast site does not show provisions for bicycle parking.

> **Recommendation 6:** The project shall specify on the Northeast site plan (apartments) the numbers, types and locations of bicycle parking and/or storage and the City's requirements.

South Site (Condos & Townhomes)

Circulation/Layout

The South site, encompassing the condominium and townhome units, is accessed from California Circle by the south driveway. From California Circle, the south driveway extends 90 feet westward where it intersects at ninety degrees with a north-south private street, that from there, extends in each direction until intersects with east-west private streets. From there, the east-west private streets extend westward approximately 200 feet where they meet another north-south private street. That north-south private street extends north and south to form the spine of the western half of the South area, extending the full 500 feet from the north border to the south border of the site. The streets thus described form a rectangular loop surrounding a central, plaza-type area that serves as a park. From the aforementioned north-south 'spine', three east-west private cul-de-sacs extend westward to the west border of the site.

But for one 24-foot wide section 50 feet in length at the southeast corner of the site, all four private streets and cul-de-sacs are 26 feet wide, permitting two-way travel. The three cul-de-sacs are 150 feet long. The dead ends in the cul-de-sacs would not present vehicle turnaround issues because the cul-de-sacs would serve residents only, and residents would have their own parking in their units.

The site plan shows that several of the private streets have dead ends of length 50 feet or less, with some having ninety-degree visitor parking. These dead ends don't provide turnaround space for vehicles that could enter but not park. In this case, the lack of turnaround space would be acceptable since the dead ends are short enough that, if there's no available parking, drivers would know to not enter.

Sight distance at the private street intersections appears sufficient due to 15-foot building setbacks, as well as corner curb radii that measure about 25 feet at each intersection.

Parking Layout

Each of the 131 residences in the South area is provided parking in its own unit. Guest/visitor parking is provided at select locations throughout the site. There is generally no parking on the private streets, except along the north side of the northernmost east-west private street (it borders the apartments site to the north), along the east side of the park, and a few spots scattered along the park perimeter and elsewhere in the South site. All parking is ninety-degrees off the two-way streets. A total of 57 visitor parking spaces are provided.

Emergency, Garbage, and Truck Access

All streets onsite are shown on the site plan to accommodate emergency vehicles. The three dead end aisles which are 150 feet long are accessible by fire services, as shown on the site plan's fire truck access plan sheet. The site plan does not indicate locations for trash enclosures or pickup.

> **Recommendation 7:** The project shall demonstrate to City staff that it has adequate provisions for trash pickup for the South site plan (condominiums and townhomes).

Deliveries and moving trucks would make use of the site's internal roadways, which would have very low traffic volumes.

Pedestrian Access

Pedestrian access from the South site to California Circle is provided via walkways at three locations- one at the very northern edge of the area, one at the south driveway, and one at the very southern edge of the site. Within the South site, pedestrian walkways are provided along all unit frontages, along the west side of the north-south private street (spine), along the park perimeter, and along all sections of visitor parking, with the exception of four visitor spaces located at the dead ends of two private streets.

The site plan shows bicycle racks to be located on the east side of the park and in each of the two 'paseos' (open areas fronting the units between the cul-de-sacs). The site plan does not indicate the number of bike parking/storage that would be provided.

> **Recommendation 8:** The project shall indicate on the South site plan (condominiums and townhomes) the bicycle parking/storage supply onsite and should specify the City's requirements.

Pedestrian, Bicycle and Transit Impacts

Pedestrians. Existing observations at the study intersections showed light pedestrian activity. The most pedestrian activity was observed at the intersection of Milmont Drive and Dixon Landing Road, with 19 pedestrian crossings in the AM peak hour and 22 pedestrian crossings in PM peak hour. The volume of pedestrians at the study intersections on California Circle was fewer than five in either peak hour.

According to the U.S. Census, pedestrian trips comprise approximately one percent of the total commute mode share in the City of Milpitas. For the proposed project, assuming one percent of total commute trips would be walking trips, that would equate to approximately one pedestrian trip during each of the AM and PM peak hours. The proposed project would also generate pedestrian trips to/from recreation areas, transit, and retail centers. Overall, the volume of pedestrian trips generated by the project is expected to be relatively low.

Bicycles. U.S. Census data indicate that bicycle trips comprise less than one percent of the total commute mode share in the City of Milpitas. For the proposed project, this would equate to approximately one new bike trip during each of the AM and PM peak hours. The low volume of bicycle trips generated by the project would not exceed the bicycle-carrying capacity of streets surrounding the site, and the increase in bicycle trips would not by itself require new off-site bicycle facilities.

According to the Valley Transportation Authority (VTA) Transportation Impact Analysis (TIA) Technical Guidelines, a project would create an impact on pedestrian and bike circulation if: (1)

it would reduce, sever or eliminate existing bike/pedestrian access and circulation in the area; (2) it would preclude, modify, or otherwise affect proposed bicycle and pedestrian projects and/or policies identified in an adopted plan; or (3) it would cause a change to existing bike paths such as alignment, width of trail ROW, or length of a trail.

As previously described, the proposed location of the south driveway (accessing the condominiums and townhomes) would, due to its proximity, impact the existing pedestrian crossing fronting the project site. Per Recommendation 1, possible improvements include relocating the driveway or the crosswalk, or modifying the design of the crosswalk such that all vehicle and pedestrian movements could be accommodated to and from the south project driveway. In order for the project to avoid a significant impact to pedestrian travel, the project plans must be modified in accordance with Recommendation #1, provided that all characteristics and features of the existing pedestrian crossing are retained or improved upon.

The proposed project is otherwise not expected to cause any of the significance criteria to be met. Consequently, with implementation of Recommendation 1, under the conditions described, the proposed project would not create a significant impact to pedestrian or bicycle facilities in the area.

Transit Service. According to the U.S. Census, transit trips comprise approximately three percent of the total commute mode share in the City of Milpitas. For the proposed project, assuming three percent of total commute trips would be transit trips, there would be approximately two transit trips in the AM peak hour and three transit trips during the PM peak hour. There is currently no transit service, nor are there plans to expand transit service, within 0.65 miles of the project site. The project is not expected to produce additional transit trips relative to those potentially generated by the existing R&D use on site. It is therefore unlikely that the VTA would consider expanding service to the project area because of the project.

According to the VTA TIA Technical Guidelines, a project would create an impact on transit if: (1) it would cause a permanent or temporary reduction of transit availability or interference with existing transit users (relocation/closure of a transit stop or vacation of a roadway utilized by transit) or (2) it would result in significant delays in transit service. The project, by itself, would not preclude, modify or otherwise affect existing or proposed transit projects or policies identified by the VTA, nor is it expected to materially increase delay in transit service. Consequently, the project would not result in any significant impacts to transit service.

Conclusions

The effects of the proposed project were evaluated in accordance with the procedures and guidelines specified by the City of Milpitas.

- The VMT impact analysis determined that the project would not meet the VMT screening criteria.
- The detailed VMT analysis showed that the project would have no significant adverse transportation impacts under CEQA.
- The proposed project would not result in any adverse effects on level of service at the study intersections.

- The project would not create any adverse effects to pedestrian, bike, or transit facilities with the implementation of Recommendation #1, provided that all characteristics and features of the existing pedestrian crossing are retained or improved upon.

In addition, the analysis also produced the following recommendations with regard to site circulation and access:

1. The existing pedestrian crossing and associated fixtures would block outbound left turns from the south driveway onto northbound California Circle. This driveway should be relocated, or the crosswalk relocated, or the crosswalk design modified, such that all vehicle and pedestrian movements could be accommodated to and from the project driveway.

2. Parking should be eliminated at the north driveway such that the driveway has a clear throat of at least 25 feet. This is necessary so that parked vehicles and incoming vehicles have adequate time and space to react.

3. The project shall maintain the landscaping near the project driveways such that it doesn't obstruct the line of sight to California Circle. Placement of any monument signs or other permanent fixtures would need to be located out of the line of sight of exiting drivers. The final site plan will need to be reviewed by city staff.

4. The project shall ensure all parking in the garage is assigned parking only. The entrance to the garage should be signed accordingly since there is no gate to prevent visitors from entering the garage.

5. At the Northeast site (apartments), the project shall provide onsite a designated area for loading/unloading and provide turnaround space for vehicles to exit the site.

6. The project shall specify on the Northeast site plan (apartments) the numbers, types and locations of bicycle parking and/or storage and the City's requirements..

7. The project shall demonstrate to City staff that it has adequate provisions for trash pickup for the South site plan (condominiums and townhomes).

8. The project shall indicate on the South site plan (condominiums and townhomes) the bicycle parking/storage supply onsite and should specify the City's requirements.

Technical Appendices

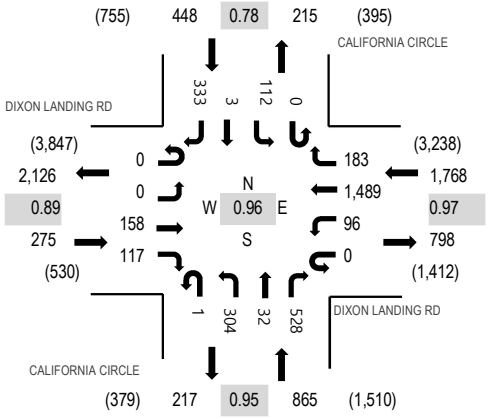
Appendix A

Traffic Counts

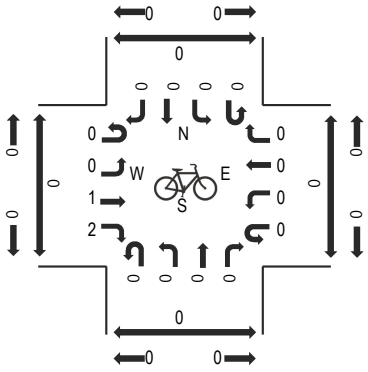
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 1 CALIFORNIA CIRCLE & DIXON LANDING RD AM
Date: Wednesday, October 26, 2022
Peak Hour: 08:00 AM - 09:00 AM
Peak 15-Minutes: 08:45 AM - 09:00 AM

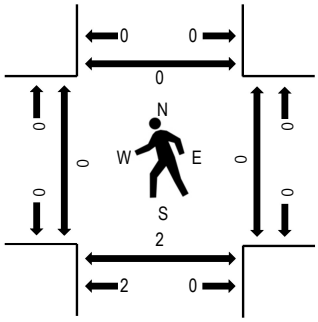
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	DIXON LANDING RD Eastbound				DIXON LANDING RD Westbound				CALIFORNIA CIRCLE Northbound				CALIFORNIA CIRCLE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	0	38	23	0	11	249	37	0	32	0	61	0	13	0	51	515	2,677	0	0	0	0
7:15 AM	0	0	40	14	0	18	340	36	0	65	3	89	0	4	0	62	671	2,955	0	0	0	0
7:30 AM	0	0	38	31	0	16	317	32	0	63	5	117	0	5	0	68	692	3,132	0	0	1	0
7:45 AM	0	0	41	30	0	18	335	61	0	58	6	146	0	22	1	81	799	3,280	0	0	0	0
8:00 AM	0	0	36	26	0	20	350	38	0	89	11	132	0	25	1	65	793	3,356	0	0	1	0
8:15 AM	0	0	39	27	0	36	372	47	0	68	8	146	0	26	0	79	848		0	0	1	0
8:30 AM	0	0	41	29	0	18	388	41	1	77	9	128	0	30	2	76	840		0	0	0	0
8:45 AM	0	0	42	35	0	22	379	57	0	70	4	122	0	31	0	113	875		0	0	0	0

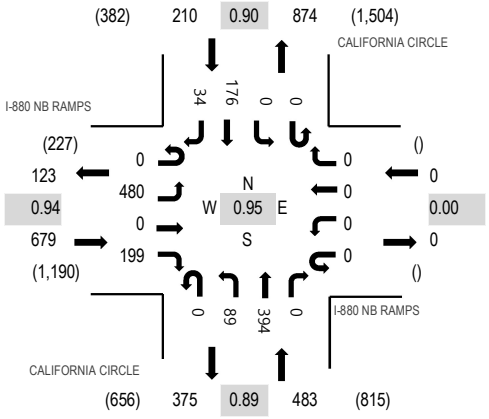
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	5	0	0	33	1	0	2	0	12	0	4	0	41	99
Lights	0	0	150	107	0	96	1,394	175	1	299	32	504	0	107	3	266	3,134
Mediums	0	0	7	5	0	0	62	7	0	3	0	12	0	1	0	26	123
Total	0	0	158	117	0	96	1,489	183	1	304	32	528	0	112	3	333	3,356

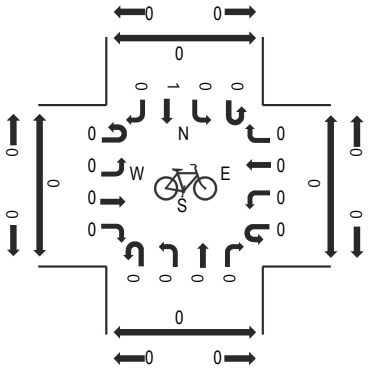
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 2 CALIFORNIA CIRCLE & I-880 NB RAMPS AM
Date: Wednesday, October 26, 2022
Peak Hour: 07:45 AM - 08:45 AM
Peak 15-Minutes: 08:15 AM - 08:30 AM

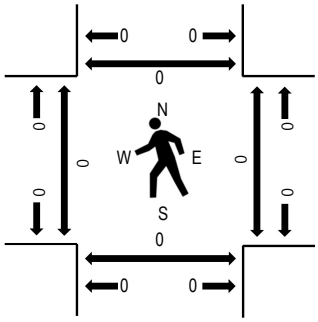
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	I-880 NB RAMPS Eastbound				I-880 NB RAMPS Westbound				CALIFORNIA CIRCLE Northbound				CALIFORNIA CIRCLE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	2	63	0	35	0	0	0	0	0	14	34	0	1	0	30	8	187	1,026	0	0	0	0
7:15 AM	0	89	0	33	0	0	0	0	0	17	77	0	0	0	29	3	248	1,198	0	0	1	0
7:30 AM	0	103	0	27	0	0	0	0	0	16	72	0	0	0	33	9	260	1,312	0	0	0	0
7:45 AM	0	128	0	46	0	0	0	0	0	21	86	0	0	0	41	9	331	1,372	0	0	0	0
8:00 AM	0	118	0	53	0	0	0	0	0	28	108	0	0	0	46	6	359	1,361	0	0	0	0
8:15 AM	0	126	0	55	0	0	0	0	0	21	99	0	0	0	51	10	362		0	0	0	0
8:30 AM	0	108	0	45	0	0	0	0	0	19	101	0	0	0	38	9	320		0	0	0	0
8:45 AM	0	113	0	46	0	0	0	0	0	24	78	0	0	0	48	11	320		0	0	0	0

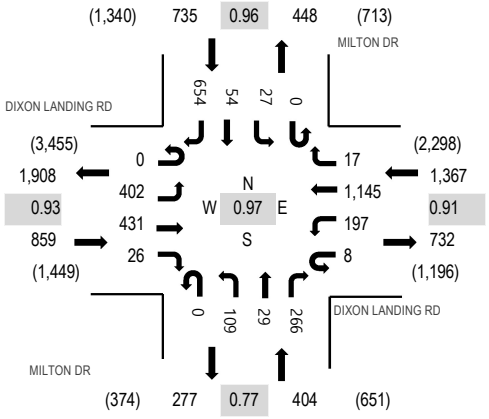
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	6	14
Lights	0	458	0	189	0	0	0	0	0	85	392	0	0	0	176	25	1,325
Mediums	0	14	0	10	0	0	0	0	0	4	2	0	0	0	0	3	33
Total	0	480	0	199	0	0	0	0	0	89	394	0	0	0	176	34	1,372

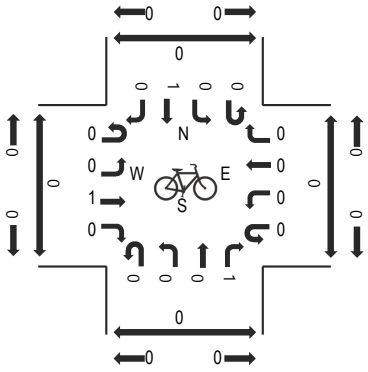
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 3 MILTON DR & DIXON LANDING RD AM
Date: Wednesday, October 26, 2022
Peak Hour: 07:45 AM - 08:45 AM
Peak 15-Minutes: 08:15 AM - 08:30 AM

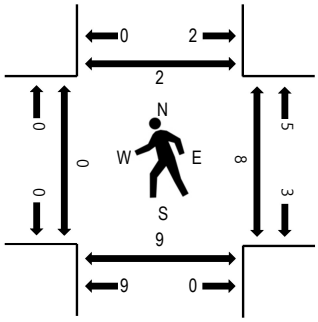
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	DIXON LANDING RD Eastbound				DIXON LANDING RD Westbound				MILTON DR Northbound				MILTON DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	53	54	6	1	9	178	4	0	27	0	14	0	2	7	118	473	2,542	0	0	1	0
7:15 AM	0	44	86	7	2	10	223	5	0	25	6	26	0	3	5	143	585	2,913	0	3	4	0
7:30 AM	0	46	105	3	0	12	220	1	0	38	9	51	0	4	3	139	631	3,193	0	6	0	0
7:45 AM	0	86	139	7	2	41	264	5	0	26	6	108	0	5	9	155	853	3,365	0	2	4	1
8:00 AM	0	91	116	7	1	49	290	2	0	21	9	75	0	5	15	163	844	3,196	0	3	5	1
8:15 AM	0	107	92	6	2	79	292	4	0	31	9	49	0	5	11	178	865		0	2	0	0
8:30 AM	0	118	84	6	3	28	299	6	0	31	5	34	0	12	19	158	803		0	1	0	0
8:45 AM	0	91	88	7	3	20	240	3	0	28	3	20	0	5	8	168	684		0	3	5	0

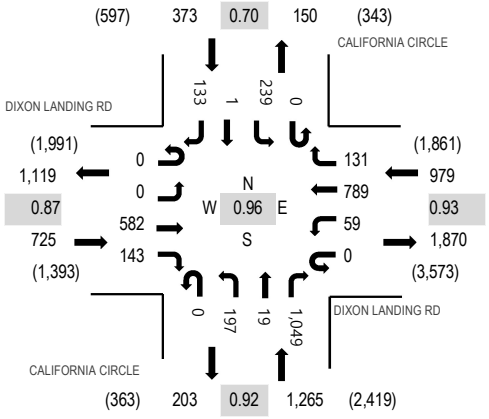
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	10	6	0	0	1	5	0	0	0	0	1	0	0	0	16	39
Lights	0	382	418	25	8	195	1,118	14	0	106	29	262	0	18	52	589	3,216
Mediums	0	10	7	1	0	1	22	3	0	3	0	3	0	9	2	49	110
Total	0	402	431	26	8	197	1,145	17	0	109	29	266	0	27	54	654	3,365

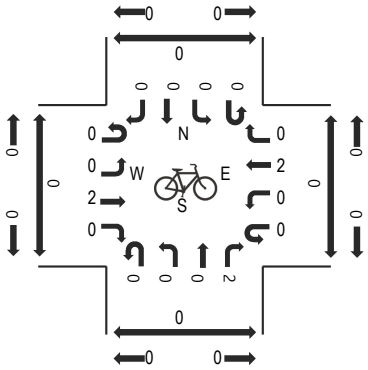
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 1 CALIFORNIA CIRCLE & DIXON LANDING RD PM
Date: Wednesday, October 26, 2022
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:30 PM - 05:45 PM

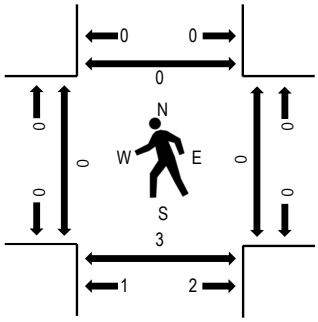
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	DIXON LANDING RD Eastbound				DIXON LANDING RD Westbound				CALIFORNIA CIRCLE Northbound				CALIFORNIA CIRCLE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	0	154	29	0	8	155	54	1	29	3	261	0	22	0	24	740	2,928	0	0	0	0
4:15 PM	0	0	120	39	0	10	149	44	0	20	3	233	0	36	0	24	678	2,948	0	0	0	0
4:30 PM	0	0	129	21	0	8	195	46	0	32	5	269	0	46	0	13	764	3,111	0	0	0	0
4:45 PM	0	0	143	33	0	11	168	34	0	38	4	256	0	34	0	25	746	3,220	0	0	0	0
5:00 PM	0	0	138	33	0	21	196	29	0	59	7	226	0	35	1	15	760	3,342	0	0	0	0
5:15 PM	0	0	169	39	0	12	185	35	0	42	2	279	0	54	0	24	841		0	0	1	0
5:30 PM	0	0	124	31	0	14	215	35	0	46	7	291	0	61	0	49	873		0	0	1	0
5:45 PM	0	0	151	40	0	12	193	32	0	50	3	253	0	89	0	45	868		0	0	1	0

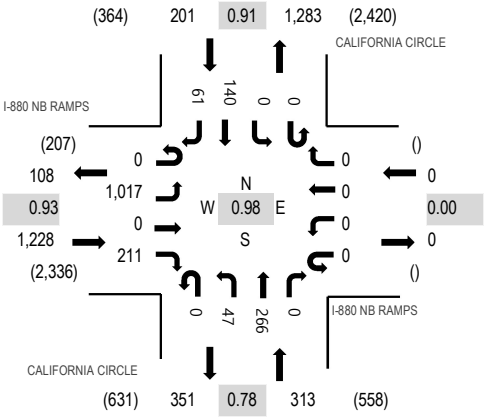
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	2	0	1	3	0	0	3	0	0	0	0	0	3	13
Lights	0	0	570	137	0	58	775	129	0	183	19	1,037	0	235	1	122	3,266
Mediums	0	0	11	4	0	0	11	2	0	11	0	12	0	4	0	8	63
Total	0	0	582	143	0	59	789	131	0	197	19	1,049	0	239	1	133	3,342

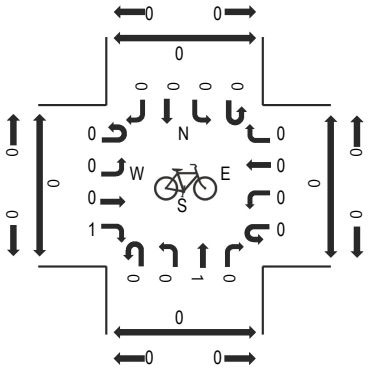
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 2 CALIFORNIA CIRCLE & I-880 NB RAMPS PM
Date: Wednesday, October 26, 2022
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:30 PM - 05:45 PM

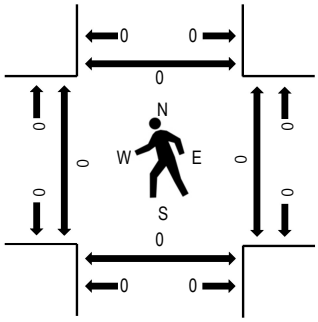
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	I-880 NB RAMPS Eastbound				I-880 NB RAMPS Westbound				CALIFORNIA CIRCLE Northbound				CALIFORNIA CIRCLE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	237	0	38	0	0	0	0	0	10	50	0	0	0	20	18	373	1,516	1	0	0	0
4:15 PM	0	214	0	45	0	0	0	0	0	10	50	0	0	0	29	21	369	1,568	0	0	0	0
4:30 PM	0	243	0	49	0	0	0	0	0	11	47	0	0	0	23	7	380	1,631	0	0	1	0
4:45 PM	0	239	0	43	0	0	0	0	0	10	57	0	0	0	33	12	394	1,695	0	0	0	0
5:00 PM	0	221	0	49	0	0	0	0	0	16	84	0	0	0	41	14	425	1,742	0	0	0	0
5:15 PM	0	269	0	44	0	0	0	0	0	9	58	0	0	0	35	17	432		0	0	0	0
5:30 PM	0	266	0	63	0	0	0	0	0	7	66	0	0	0	30	12	444		0	0	0	0
5:45 PM	0	261	0	55	0	0	0	0	0	15	58	0	0	0	34	18	441		0	0	0	0

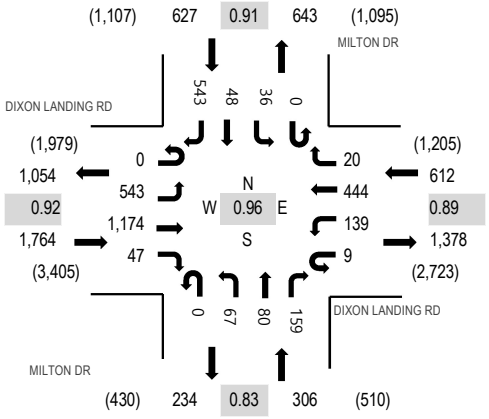
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	1	0	0	0	0	0	0	2	0	0	0	1	2	6
Lights	0	1,006	0	203	0	0	0	0	0	45	257	0	0	0	136	59	1,706
Mediums	0	11	0	7	0	0	0	0	0	2	7	0	0	0	3	0	30
Total	0	1,017	0	211	0	0	0	0	0	47	266	0	0	0	140	61	1,742

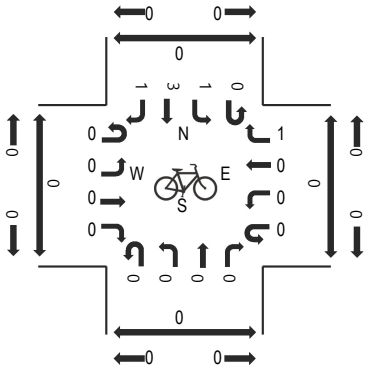
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 3 MILTON DR & DIXON LANDING RD PM
Date: Wednesday, October 26, 2022
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:45 PM - 06:00 PM

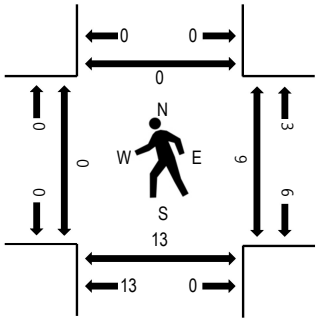
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	DIXON LANDING RD Eastbound				DIXON LANDING RD Westbound				MILTON DR Northbound				MILTON DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	98	271	15	0	26	101	3	0	12	8	24	0	4	5	105	672	2,918	0	2	3	0
4:15 PM	1	92	313	15	2	24	93	5	0	20	6	33	0	6	9	97	716	3,020	0	3	6	2
4:30 PM	0	104	286	11	6	34	131	8	0	17	6	36	0	11	4	115	769	3,131	0	1	2	0
4:45 PM	0	111	311	13	6	33	119	2	0	8	9	25	0	11	7	106	761	3,207	0	1	1	0
5:00 PM	0	87	279	13	3	31	111	2	0	7	18	50	0	17	9	147	774	3,309	0	4	3	0
5:15 PM	0	138	314	11	3	36	107	5	0	15	16	33	0	6	7	136	827		0	3	2	0
5:30 PM	0	141	291	9	0	29	119	6	0	23	27	42	0	7	17	134	845		0	2	5	0
5:45 PM	0	177	290	14	3	43	107	7	0	22	19	34	0	6	15	126	863		0	0	3	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	3
Lights	0	533	1,167	47	9	138	441	19	0	66	78	157	0	34	48	533	3,270
Mediums	0	10	6	0	0	1	2	1	0	1	2	2	0	2	0	9	36
Total	0	543	1,174	47	9	139	444	20	0	67	80	159	0	36	48	543	3,309

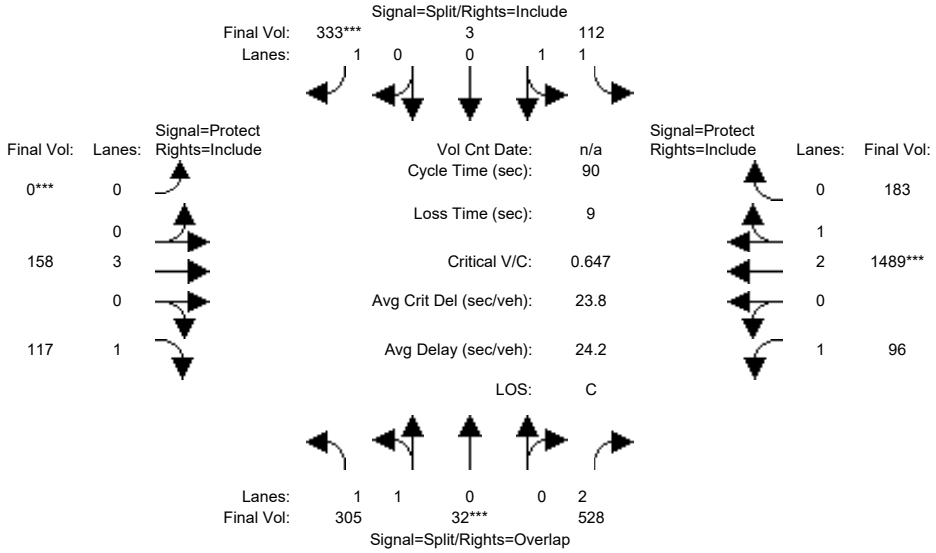
Appendix B

Intersection Level of Service Calculations

1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing AM

Intersection #1: CA Circle & Dixon Landing



Street Name:	CA Circle						Dixon Landing					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	305	32	528	112	3	333	0	158	117	96	1489	183
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	305	32	528	112	3	333	0	158	117	96	1489	183
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	305	32	528	112	3	333	0	158	117	96	1489	183
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	305	32	528	112	3	333	0	158	117	96	1489	183
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	305	32	528	112	3	333	0	158	117	96	1489	183
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.83	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.82	0.18	2.00	1.95	0.05	1.00	0.00	3.00	1.00	1.00	2.65	0.35
Final Sat.:	3192	335	3150	3416	91	1750	0	5700	1750	1750	5029	618
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.17	0.03	0.03	0.19	0.00	0.03	0.07	0.05	0.30	0.30
Crit Moves:		****				****	****				****	
Green Time:	13.3	13.3	30.3	26.5	26.5	26.5	0.0	24.2	24.2	17.0	41.2	41.2
Volume/Cap:	0.65	0.65	0.50	0.11	0.11	0.65	0.00	0.10	0.25	0.29	0.65	0.65
Delay/Veh:	39.0	39.0	24.2	23.2	23.2	30.5	0.0	24.7	26.0	31.8	19.4	19.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.0	39.0	24.2	23.2	23.2	30.5	0.0	24.7	26.0	31.8	19.4	19.4
LOS by Move:	D	D	C	C	C	C	A	C	C	C	B	B
HCM2k95thQ:	11	11	14	3	3	18	0	2	6	5	23	23

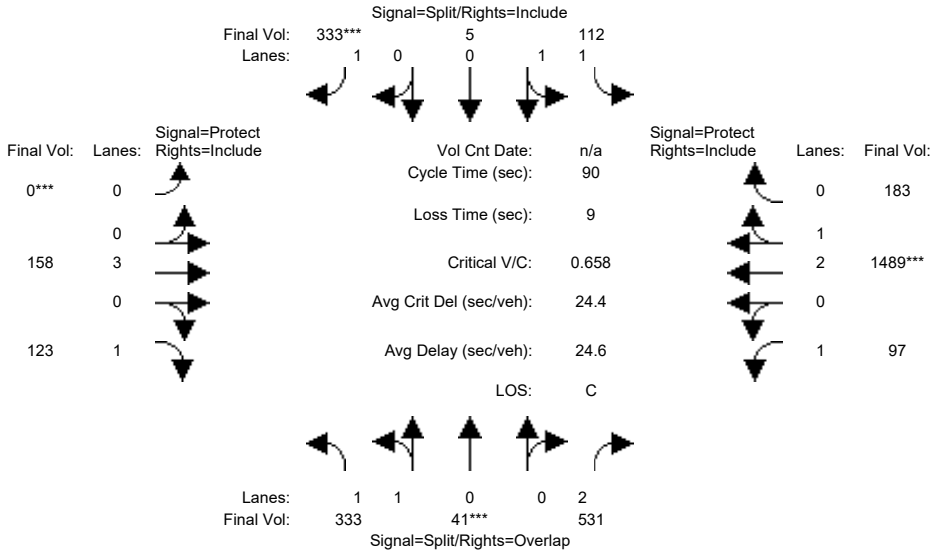
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project AM

Intersection #1: CA Circle & Dixon Landing



Street Name:	CA Circle						Dixon Landing					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	333	41	531	112	5	333	0	158	123	97	1489	183
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	333	41	531	112	5	333	0	158	123	97	1489	183
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	333	41	531	112	5	333	0	158	123	97	1489	183
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	333	41	531	112	5	333	0	158	123	97	1489	183
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	333	41	531	112	5	333	0	158	123	97	1489	183
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.83	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.80	0.20	2.00	1.92	0.08	1.00	0.00	3.00	1.00	1.00	2.65	0.35
Final Sat.:	3144	387	3150	3362	150	1750	0	5700	1750	1750	5029	618
Capacity Analysis Module:												
Vol/Sat:	0.11	0.11	0.17	0.03	0.03	0.19	0.00	0.03	0.07	0.06	0.30	0.30
Crit Moves:		****				****	****				****	
Green Time:	14.5	14.5	31.2	26.0	26.0	26.0	0.0	23.8	23.8	16.7	40.5	40.5
Volume/Cap:	0.66	0.66	0.49	0.12	0.12	0.66	0.00	0.10	0.27	0.30	0.66	0.66
Delay/Veh:	38.3	38.3	23.5	23.6	23.6	31.3	0.0	25.1	26.5	32.1	20.0	20.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.3	38.3	23.5	23.6	23.6	31.3	0.0	25.1	26.5	32.1	20.0	20.0
LOS by Move:	D	D	C	C	C	C	A	C	C	C	B	B
HCM2k95thQ:	12	12	14	3	3	18	0	2	6	5	23	23

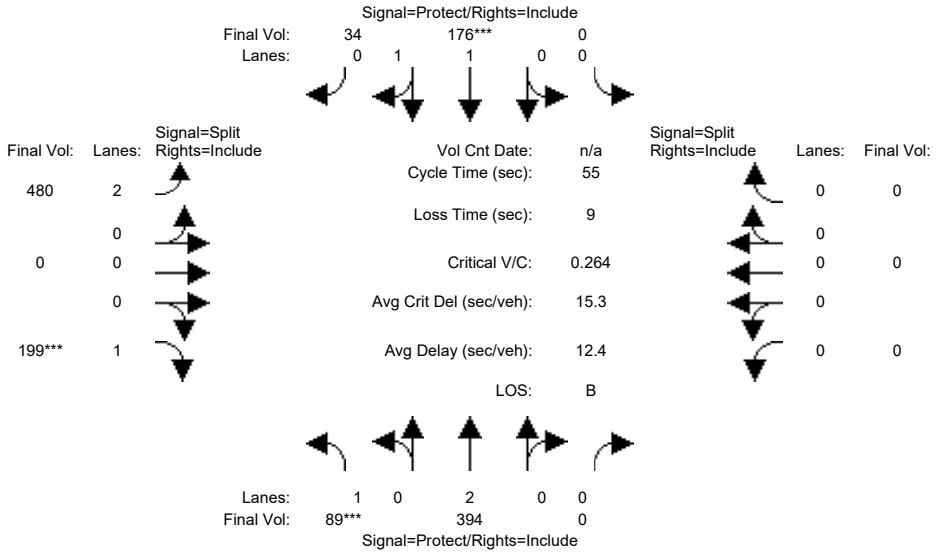
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing AM

Intersection #2: CA Circle & NB 880 ramps



Street Name:	CA Circle						NB 880 ramps					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	89	394	0	0	176	34	480	0	199	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	89	394	0	0	176	34	480	0	199	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	89	394	0	0	176	34	480	0	199	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	394	0	0	176	34	480	0	199	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	89	394	0	0	176	34	480	0	199	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	2.00	0.00	0.00	1.65	0.35	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1750	3800	0	0	3141	607	3150	0	1750	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.10	0.00	0.00	0.06	0.06	0.15	0.00	0.11	0.00	0.00	0.00
Crit Moves:	****				****				****			
Green Time:	9.0	19.0	0.0	0.0	10.0	10.0	27.0	0.0	27.0	0.0	0.0	0.0
Volume/Cap:	0.31	0.30	0.00	0.00	0.31	0.31	0.31	0.00	0.23	0.00	0.00	0.00
Delay/Veh:	20.9	13.3	0.0	0.0	19.8	19.8	8.5	0.0	8.2	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	20.9	13.3	0.0	0.0	19.8	19.8	8.5	0.0	8.2	0.0	0.0	0.0
LOS by Move:	C	B	A	A	B	B	A	A	A	A	A	A
HCM2k95thQ:	4	5	0	0	4	4	6	0	4	0	0	0

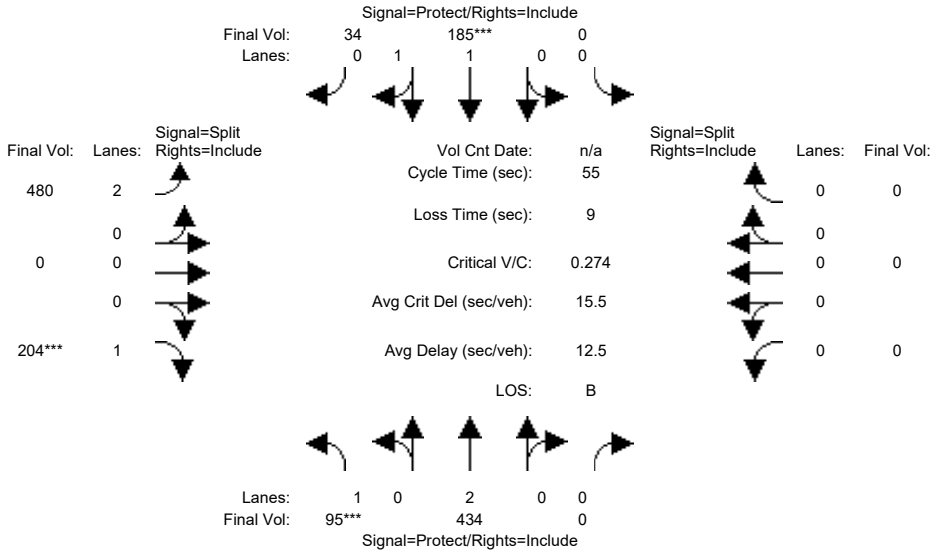
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project AM

Intersection #2: CA Circle & NB 880 ramps



Street Name:	CA Circle						NB 880 ramps					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	95	434	0	0	185	34	480	0	204	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	95	434	0	0	185	34	480	0	204	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	95	434	0	0	185	34	480	0	204	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	95	434	0	0	185	34	480	0	204	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	95	434	0	0	185	34	480	0	204	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	2.00	0.00	0.00	1.67	0.33	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1750	3800	0	0	3168	582	3150	0	1750	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.11	0.00	0.00	0.06	0.06	0.15	0.00	0.12	0.00	0.00	0.00
Crit Moves:	****				****				****			
Green Time:	9.4	19.6	0.0	0.0	10.1	10.1	26.4	0.0	26.4	0.0	0.0	0.0
Volume/Cap:	0.32	0.32	0.00	0.00	0.32	0.32	0.32	0.00	0.24	0.00	0.00	0.00
Delay/Veh:	20.6	13.0	0.0	0.0	19.7	19.7	8.9	0.0	8.5	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	20.6	13.0	0.0	0.0	19.7	19.7	8.9	0.0	8.5	0.0	0.0	0.0
LOS by Move:	C	B	A	A	B	B	A	A	A	A	A	A
HCM2k95thQ:	4	6	0	0	4	4	6	0	5	0	0	0

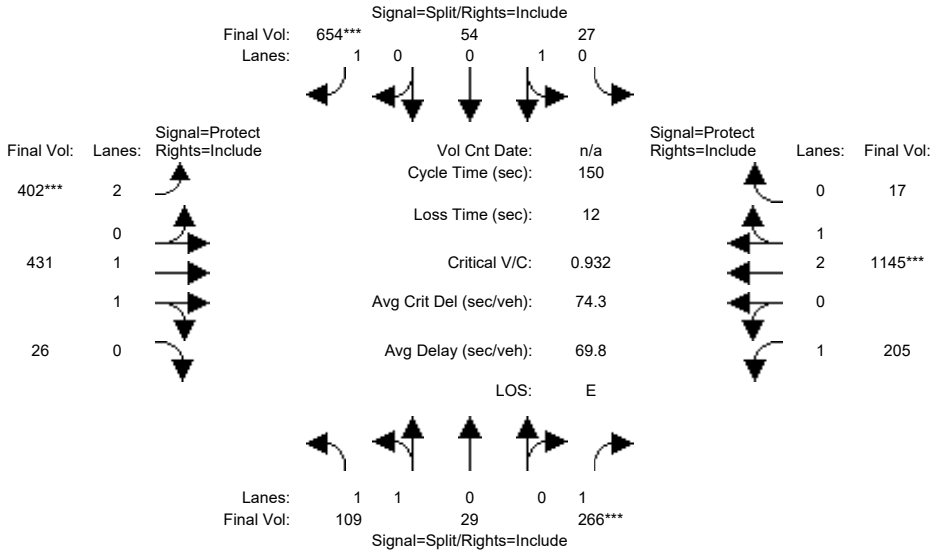
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing AM

Intersection #3: Milmont Dr & Dixon Landing



Street Name:	Milmont Drive						Dixon Landing					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	109	29	266	27	54	654	402	431	26	205	1145	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	109	29	266	27	54	654	402	431	26	205	1145	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	109	29	266	27	54	654	402	431	26	205	1145	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	109	29	266	27	54	654	402	431	26	205	1145	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	109	29	266	27	54	654	402	431	26	205	1145	17
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.61	0.39	1.00	0.35	0.65	1.00	2.00	1.88	0.12	1.00	2.95	0.05
Final Sat.:	2811	748	1750	616	1231	1750	3150	3566	215	1750	5610	83
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.15	0.04	0.04	0.37	0.13	0.12	0.12	0.12	0.20	0.20
Crit Moves:			****			****	****				****	
Green Time:	24.5	24.5	24.5	60.1	60.1	60.1	20.5	27.1	27.1	26.3	32.9	32.9
Volume/Cap:	0.24	0.24	0.93	0.11	0.11	0.93	0.93	0.67	0.67	0.67	0.93	0.93
Delay/Veh:	54.9	54.9	97.6	28.2	28.2	62.2	91.1	59.8	59.8	63.4	70.0	70.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	54.9	54.9	97.6	28.2	28.2	62.2	91.1	59.8	59.8	63.4	70.0	70.0
LOS by Move:	D	D	F	C	C	E	F	E	E	E	E	E
HCM2k95thQ:	6	6	29	5	5	56	26	20	20	19	36	36

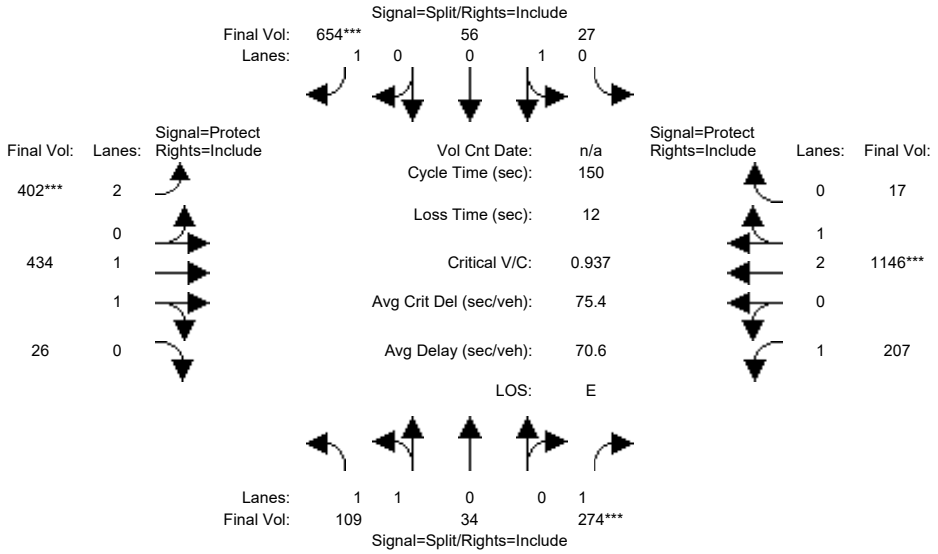
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project AM

Intersection #3: Milmont Dr & Dixon Landing



Street Name:	Milmont Drive						Dixon Landing					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	109	34	274	27	56	654	402	434	26	207	1146	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	109	34	274	27	56	654	402	434	26	207	1146	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	109	34	274	27	56	654	402	434	26	207	1146	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	109	34	274	27	56	654	402	434	26	207	1146	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	109	34	274	27	56	654	402	434	26	207	1146	17
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.55	0.45	1.00	0.34	0.66	1.00	2.00	1.88	0.12	1.00	2.95	0.05
Final Sat.:	2719	848	1750	601	1247	1750	3150	3568	214	1750	5610	83
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.16	0.04	0.04	0.37	0.13	0.12	0.12	0.12	0.20	0.20
Crit Moves:			****			****	****				****	
Green Time:	25.1	25.1	25.1	59.8	59.8	59.8	20.4	26.9	26.9	26.2	32.7	32.7
Volume/Cap:	0.24	0.24	0.94	0.11	0.11	0.94	0.94	0.68	0.68	0.68	0.94	0.94
Delay/Veh:	54.4	54.4	97.9	28.5	28.5	63.5	92.3	60.2	60.2	63.9	70.9	70.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	54.4	54.4	97.9	28.5	28.5	63.5	92.3	60.2	60.2	63.9	70.9	70.9
LOS by Move:	D	D	F	C	C	E	F	E	E	E	E	E
HCM2k95thQ:	6	6	30	5	5	56	26	20	20	19	36	36

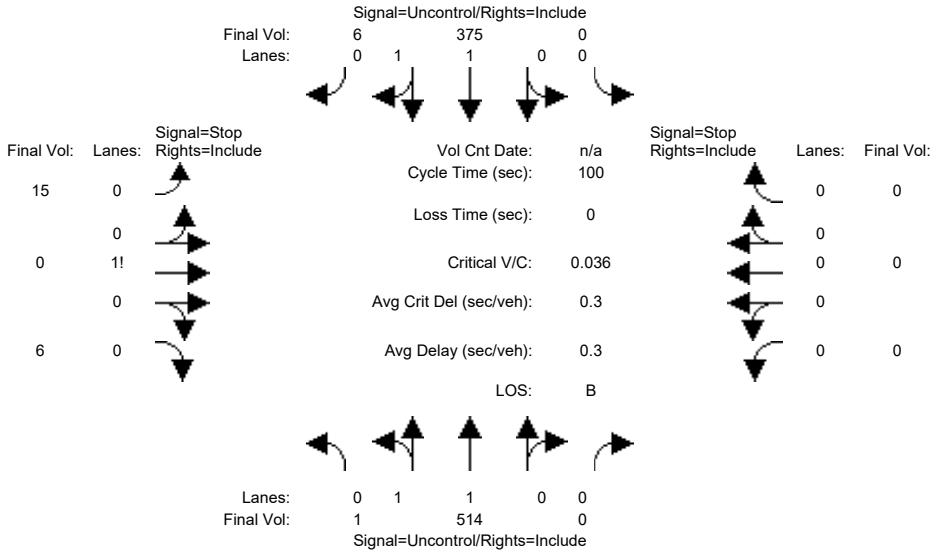
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project AM

Intersection #4: CA Circle & north site driveway



Street Name:	CA Circle						north site driveway					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	1	514	0	0	375	6	15	0	6	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	514	0	0	375	6	15	0	6	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	514	0	0	375	6	15	0	6	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	1	514	0	0	375	6	15	0	6	0	0	0
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.8	6.5	6.9	xxxxx	xxxx	xxxxx
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	381	xxxx	xxxxx	xxxx	xxxx	xxxxx	637	894	191	xxxx	xxxx	xxxxx
Potent Cap.:	1189	xxxx	xxxxx	xxxx	xxxx	xxxxx	414	283	825	xxxx	xxxx	xxxxx
Move Cap.:	1189	xxxx	xxxxx	xxxx	xxxx	xxxxx	414	282	825	xxxx	xxxx	xxxxx
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	0.04	0.00	0.01	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	8.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	483	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.1	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	8.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	12.8	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	A	*	*	*	*	*	*	B	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			12.8			xxxxxx		
ApproachLOS:	*			*			B			*		

Note: Queue reported is the number of cars per lane.

Peak Hour Delay Signal Warrant Report

****

Intersection #4 CA Circle & north site driveway

****

Base Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R

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```
------------|---------------||---------------||---------------||---------------|
Control:       Uncontrolled     Uncontrolled      Stop Sign        Stop Sign
Lanes:        0  1  1  0  0    0  0  1  1  0    0  0  1! 0  0    0  0  0  0  0
Initial Vol:    1  514     0     0  375     6    15    0     6     0    0     0
ApproachDel:    xxxxxx           xxxxxx             12.8           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[eastbound][lanes=1][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=0.1]
   FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule #2: [approach volume=21]
   FAIL - Approach volume less than 100 for one lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=917]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
               Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #4 CA Circle & north site driveway
********************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:       Uncontrolled     Uncontrolled      Stop Sign        Stop Sign
Lanes:        0  1  1  0  0    0  0  1  1  0    0  0  1! 0  0    0  0  0  0  0
Initial Vol:    1  514     0     0  375     6    15    0     6     0    0     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:              896
Minor Approach Volume:            21
Minor Approach Volume Threshold: 323
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

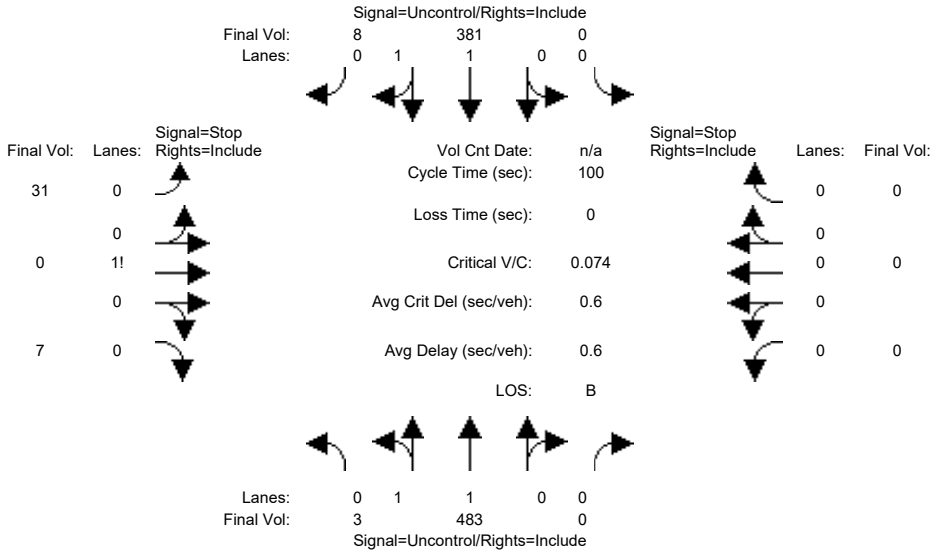
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jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project AM

Intersection #5: CA Circle & south site driveway



Street Name:	CA Circle						south site driveway					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	3	483	0	0	381	8	31	0	7	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	483	0	0	381	8	31	0	7	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	483	0	0	381	8	31	0	7	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	3	483	0	0	381	8	31	0	7	0	0	0
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.8	6.5	6.9	xxxxx	xxxx	xxxxx
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	389	xxxx	xxxxx	xxxx	xxxx	xxxxx	633	874	195	xxxx	xxxx	xxxxx
Potent Cap.:	1181	xxxx	xxxxx	xxxx	xxxx	xxxxx	417	290	820	xxxx	xxxx	xxxxx
Move Cap.:	1181	xxxx	xxxxx	xxxx	xxxx	xxxxx	416	290	820	xxxx	xxxx	xxxxx
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	0.07	0.00	0.01	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	8.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	458	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.3	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	8.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	13.6	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	A	*	*	*	*	*	*	B	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			13.6			xxxxxx		
ApproachLOS:	*			*			B			*		

Note: Queue reported is the number of cars per lane.

Peak Hour Delay Signal Warrant Report

****

Intersection #5 CA Circle & south site driveway

****

Base Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R

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```
------------|---------------||---------------||---------------||---------------|
Control:       Uncontrolled     Uncontrolled      Stop Sign        Stop Sign
Lanes:        0  1  1  0  0    0  0  1  1  0    0  0  1! 0  0    0  0  0  0  0
Initial Vol:    3  483     0     0  381     8    31    0     7     0    0     0
ApproachDel:    xxxxxx           xxxxxx             13.6           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[eastbound][lanes=1][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=0.1]
   FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule #2: [approach volume=38]
   FAIL - Approach volume less than 100 for one lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=913]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
               Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #5 CA Circle & south site driveway
********************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:       Uncontrolled     Uncontrolled      Stop Sign        Stop Sign
Lanes:        0  1  1  0  0    0  0  1  1  0    0  0  1! 0  0    0  0  0  0  0
Initial Vol:    3  483     0     0  381     8    31    0     7     0    0     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:              875
Minor Approach Volume:            38
Minor Approach Volume Threshold: 331
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

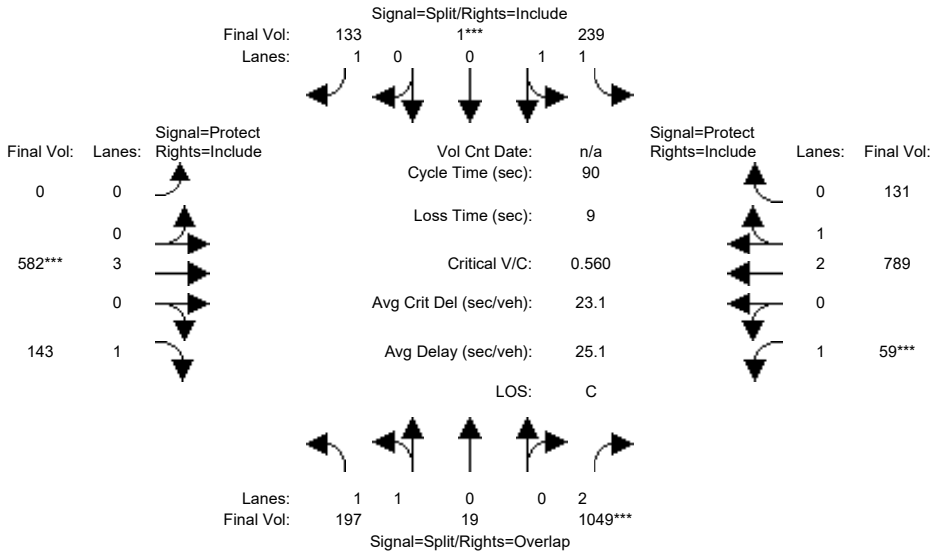
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jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing PM

Intersection #1: CA Circle & Dixon Landing



Street Name:	CA Circle						Dixon Landing					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	197	19	1049	239	1	133	0	582	143	59	789	131
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	197	19	1049	239	1	133	0	582	143	59	789	131
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	197	19	1049	239	1	133	0	582	143	59	789	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	197	19	1049	239	1	133	0	582	143	59	789	131
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	197	19	1049	239	1	133	0	582	143	59	789	131
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.83	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.84	0.16	2.00	1.99	0.01	1.00	0.00	3.00	1.00	1.00	2.54	0.46
Final Sat.:	3214	310	3150	3487	15	1750	0	5700	1750	1750	4829	802
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.33	0.07	0.07	0.08	0.00	0.10	0.08	0.03	0.16	0.16
Crit Moves:			****		****			****		****		
Green Time:	43.6	43.6	50.6	13.0	13.0	13.0	0.0	17.4	17.4	7.0	24.4	24.4
Volume/Cap:	0.13	0.13	0.59	0.48	0.48	0.53	0.00	0.53	0.42	0.43	0.60	0.60
Delay/Veh:	12.8	12.8	13.5	36.1	36.1	37.7	0.0	33.1	32.7	41.8	29.2	29.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	12.8	12.8	13.5	36.1	36.1	37.7	0.0	33.1	32.7	41.8	29.2	29.2
LOS by Move:	B	B	B	D	D	D	A	C	C	D	C	C
HCM2k95thQ:	4	4	21	8	8	9	0	11	8	5	15	15

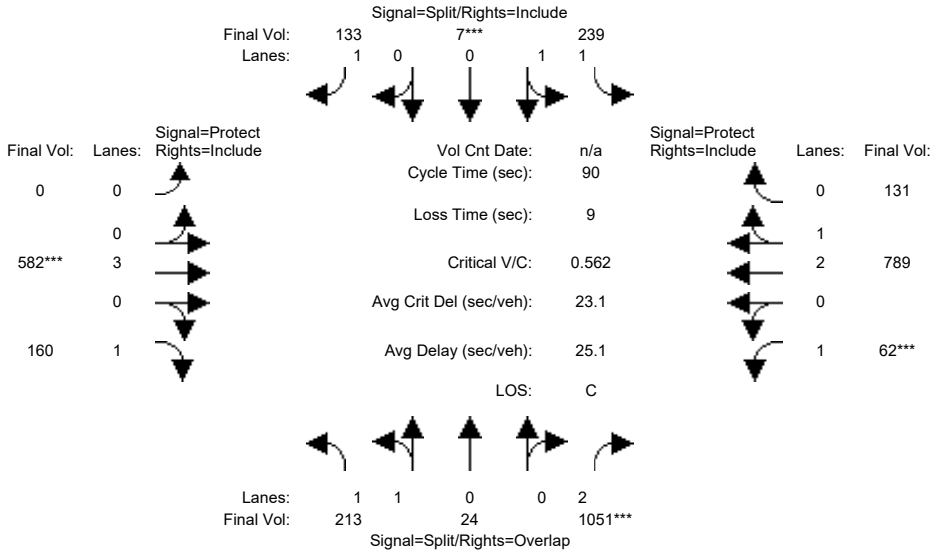
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project PM

Intersection #1: CA Circle & Dixon Landing



Street Name:	CA Circle						Dixon Landing					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	213	24	1051	239	7	133	0	582	160	62	789	131
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	213	24	1051	239	7	133	0	582	160	62	789	131
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	213	24	1051	239	7	133	0	582	160	62	789	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	213	24	1051	239	7	133	0	582	160	62	789	131
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	213	24	1051	239	7	133	0	582	160	62	789	131
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.83	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.81	0.19	2.00	1.95	0.05	1.00	0.00	3.00	1.00	1.00	2.54	0.46
Final Sat.:	3171	357	3150	3408	100	1750	0	5700	1750	1750	4829	802
Capacity Analysis Module:												
Vol/Sat:	0.07	0.07	0.33	0.07	0.07	0.08	0.00	0.10	0.09	0.04	0.16	0.16
Crit Moves:			****		****			****		****		
Green Time:	43.6	43.6	50.6	13.0	13.0	13.0	0.0	17.4	17.4	7.0	24.4	24.4
Volume/Cap:	0.14	0.14	0.59	0.49	0.49	0.53	0.00	0.53	0.47	0.46	0.60	0.60
Delay/Veh:	12.8	12.8	13.5	36.2	36.2	37.8	0.0	33.1	33.3	42.1	29.2	29.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	12.8	12.8	13.5	36.2	36.2	37.8	0.0	33.1	33.3	42.1	29.2	29.2
LOS by Move:	B	B	B	D	D	D	A	C	C	D	C	C
HCM2k95thQ:	4	4	21	8	8	9	0	11	9	5	15	15

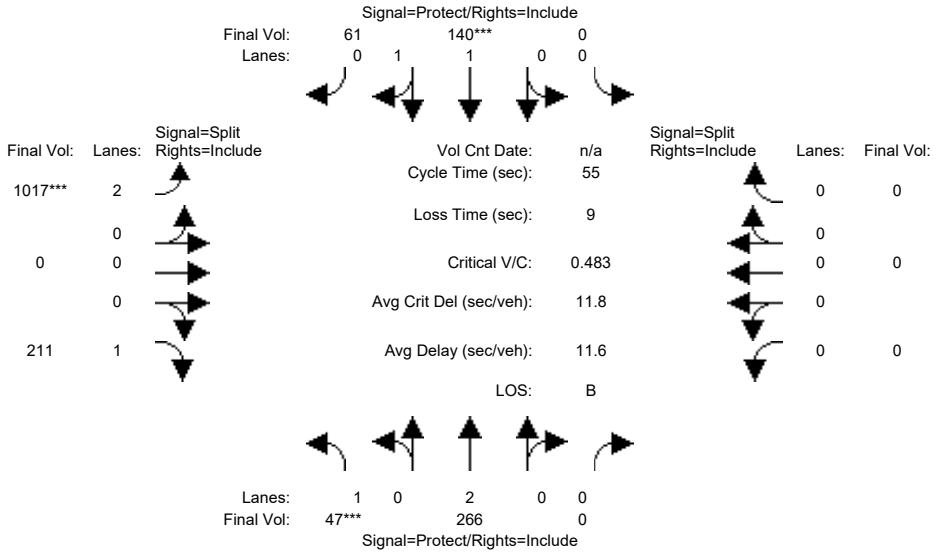
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing PM

Intersection #2: CA Circle & NB 880 ramps



Street Name:	CA Circle						NB 880 ramps					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	47	266	0	0	140	61	1017	0	211	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	47	266	0	0	140	61	1017	0	211	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	47	266	0	0	140	61	1017	0	211	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	266	0	0	140	61	1017	0	211	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	47	266	0	0	140	61	1017	0	211	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	2.00	0.00	0.00	1.36	0.64	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1750	3800	0	0	2580	1124	3150	0	1750	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.03	0.07	0.00	0.00	0.05	0.05	0.32	0.00	0.12	0.00	0.00	0.00
Crit Moves:	****				****		****					
Green Time:	7.0	17.0	0.0	0.0	10.0	10.0	29.0	0.0	29.0	0.0	0.0	0.0
Volume/Cap:	0.21	0.23	0.00	0.00	0.30	0.30	0.61	0.00	0.23	0.00	0.00	0.00
Delay/Veh:	22.0	14.2	0.0	0.0	19.7	19.7	9.8	0.0	7.1	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	22.0	14.2	0.0	0.0	19.7	19.7	9.8	0.0	7.1	0.0	0.0	0.0
LOS by Move:	C	B	A	A	B	B	A	A	A	A	A	A
HCM2k95thQ:	2	4	0	0	4	4	15	0	4	0	0	0

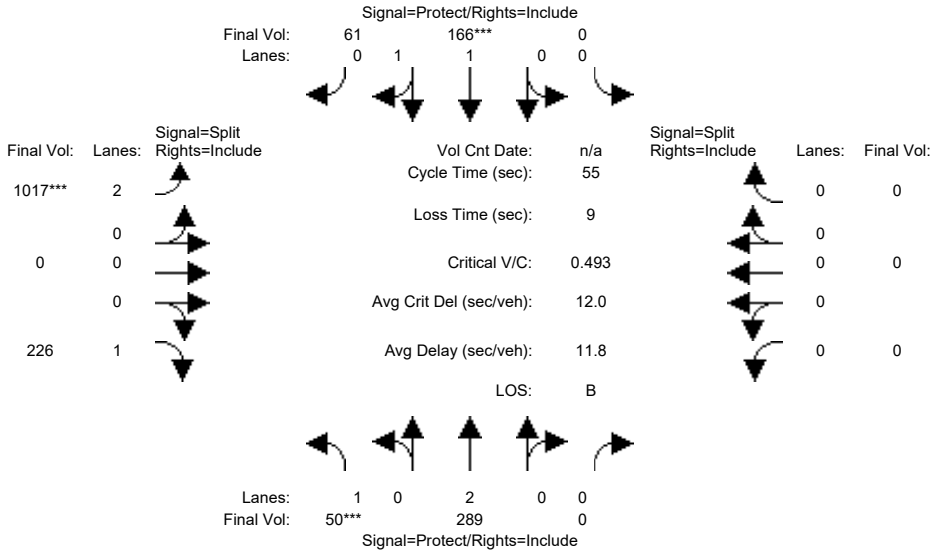
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project PM

Intersection #2: CA Circle & NB 880 ramps



Street Name:	CA Circle						NB 880 ramps					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	50	289	0	0	166	61	1017	0	226	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	50	289	0	0	166	61	1017	0	226	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	50	289	0	0	166	61	1017	0	226	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	289	0	0	166	61	1017	0	226	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	50	289	0	0	166	61	1017	0	226	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	2.00	0.00	0.00	1.43	0.57	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1750	3800	0	0	2716	998	3150	0	1750	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.03	0.08	0.00	0.00	0.06	0.06	0.32	0.00	0.13	0.00	0.00	0.00
Crit Moves:	****				****		****					
Green Time:	7.0	17.0	0.0	0.0	10.0	10.0	29.0	0.0	29.0	0.0	0.0	0.0
Volume/Cap:	0.22	0.25	0.00	0.00	0.34	0.34	0.61	0.00	0.24	0.00	0.00	0.00
Delay/Veh:	22.1	14.3	0.0	0.0	19.9	19.9	9.8	0.0	7.2	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	22.1	14.3	0.0	0.0	19.9	19.9	9.8	0.0	7.2	0.0	0.0	0.0
LOS by Move:	C	B	A	A	B	B	A	A	A	A	A	A
HCM2k95thQ:	2	4	0	0	4	4	15	0	5	0	0	0

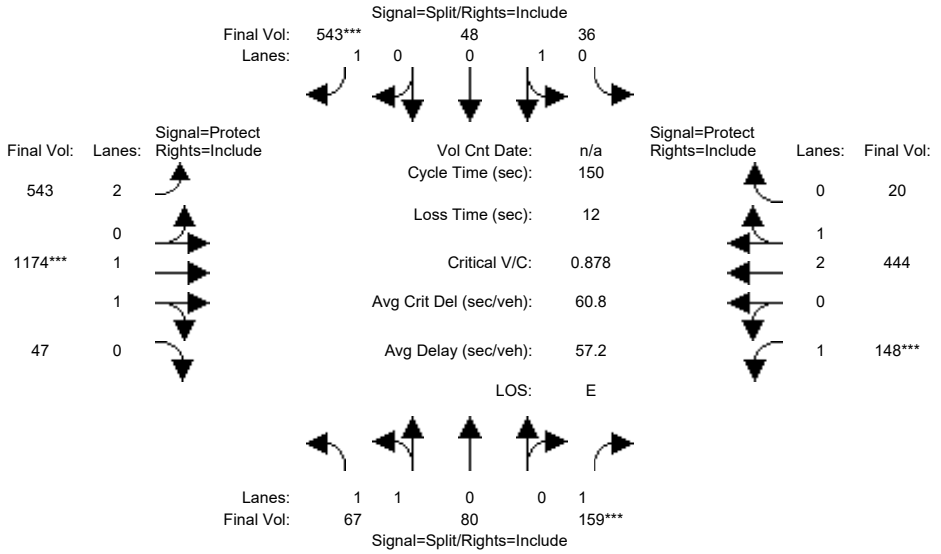
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing PM

Intersection #3: Milmont Dr & Dixon Landing



Street Name:	Milmont Drive						Dixon Landing					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	67	80	159	36	48	543	543	1174	47	148	444	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	67	80	159	36	48	543	543	1174	47	148	444	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	67	80	159	36	48	543	543	1174	47	148	444	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	80	159	36	48	543	543	1174	47	148	444	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	67	80	159	36	48	543	543	1174	47	148	444	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	0.45	0.55	1.00	2.00	1.92	0.08	1.00	2.86	0.14
Final Sat.:	1750	1900	1750	785	1047	1750	3150	3642	146	1750	5434	245
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.09	0.05	0.05	0.31	0.17	0.32	0.32	0.08	0.08	0.08
Crit Moves:			****			****		****		****		
Green Time:	15.5	15.5	15.5	53.0	53.0	53.0	47.1	55.1	55.1	14.4	22.3	22.3
Volume/Cap:	0.37	0.41	0.88	0.13	0.13	0.88	0.55	0.88	0.88	0.88	0.55	0.55
Delay/Veh:	63.3	63.7	101.5	33.0	33.0	59.1	43.3	51.1	51.1	104.0	59.9	59.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	63.3	63.7	101.5	33.0	33.0	59.1	43.3	51.1	51.1	104.0	59.9	59.9
LOS by Move:	E	E	F	C	C	E	D	D	D	F	E	E
HCM2k95thQ:	7	8	19	5	5	45	22	47	47	18	14	14

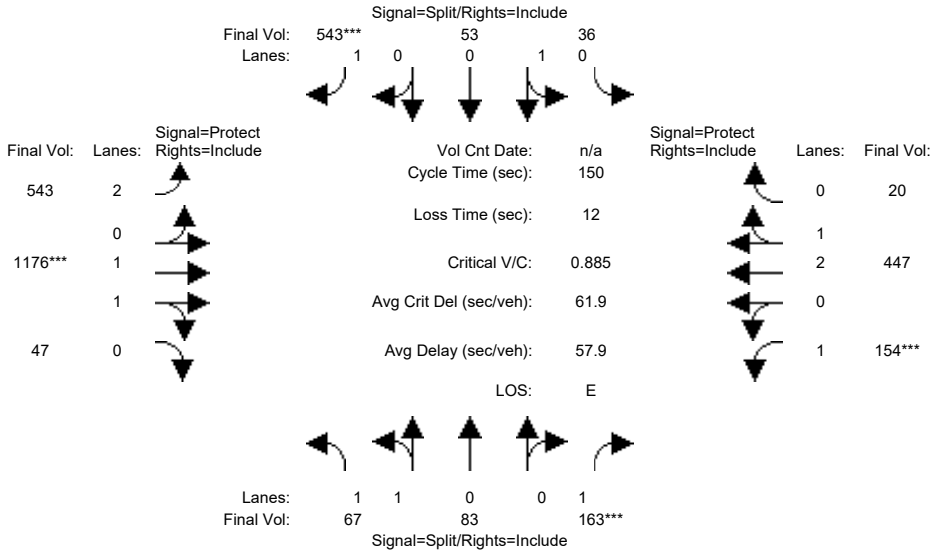
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project PM

Intersection #3: Milmont Dr & Dixon Landing



Street Name:	Milmont Drive						Dixon Landing					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	67	83	163	36	53	543	543	1176	47	154	447	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	67	83	163	36	53	543	543	1176	47	154	447	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	67	83	163	36	53	543	543	1176	47	154	447	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	83	163	36	53	543	543	1176	47	154	447	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	67	83	163	36	53	543	543	1176	47	154	447	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	0.42	0.58	1.00	2.00	1.92	0.08	1.00	2.86	0.14
Final Sat.:	1750	1900	1750	743	1094	1750	3150	3642	146	1750	5436	243
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.09	0.05	0.05	0.31	0.17	0.32	0.32	0.09	0.08	0.08
Crit Moves:			****			****		****		****		
Green Time:	15.8	15.8	15.8	52.6	52.6	52.6	47.1	54.7	54.7	14.9	22.5	22.5
Volume/Cap:	0.36	0.42	0.89	0.14	0.14	0.89	0.55	0.89	0.89	0.89	0.55	0.55
Delay/Veh:	63.0	63.6	102.4	33.3	33.3	60.3	43.3	51.9	51.9	104.3	59.8	59.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	63.0	63.6	102.4	33.3	33.3	60.3	43.3	51.9	51.9	104.3	59.8	59.8
LOS by Move:	E	E	F	C	C	E	D	D	D	F	E	E
HCM2k95thQ:	7	8	20	6	6	46	22	47	47	19	14	14

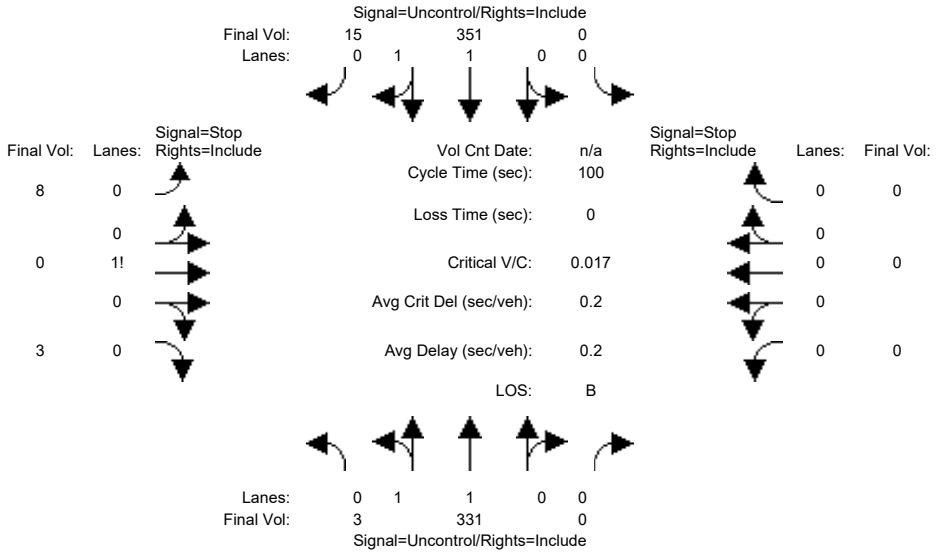
Note: Queue reported is the number of cars per lane.

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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project PM

Intersection #4: CA Circle & north site driveway



Street Name:	CA Circle						north site driveway					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Volume Module:												
Base Vol:	3	331	0	0	351	15	8	0	3	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	331	0	0	351	15	8	0	3	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	331	0	0	351	15	8	0	3	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	3	331	0	0	351	15	8	0	3	0	0	0
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.8	6.5	6.9	xxxxx	xxxx	xxxxx
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	366	xxxx	xxxxx	xxxx	xxxx	xxxxx	530	696	183	xxxx	xxxx	xxxxx
Potent Cap.:	1204	xxxx	xxxxx	xxxx	xxxx	xxxxx	484	368	834	xxxx	xxxx	xxxxx
Move Cap.:	1204	xxxx	xxxxx	xxxx	xxxx	xxxxx	483	367	834	xxxx	xxxx	xxxxx
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	0.02	0.00	0.00	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	8.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	545	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.1	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	8.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	11.7	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	A	*	*	*	*	*	*	B	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			11.7			xxxxxx		
ApproachLOS:	*			*			B			*		

Note: Queue reported is the number of cars per lane.

Peak Hour Delay Signal Warrant Report

****

Intersection #4 CA Circle & north site driveway

****

Base Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R

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```
------------|---------------||---------------||---------------||---------------|
Control:       Uncontrolled     Uncontrolled      Stop Sign        Stop Sign
Lanes:        0  1  1  0  0    0  0  1  1  0    0  0  1! 0  0    0  0  0  0  0
Initial Vol:    3  331     0     0  351    15     8    0     3     0    0     0
ApproachDel:    xxxxxx           xxxxxx             11.7           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[eastbound][lanes=1][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=0.0]
   FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule #2: [approach volume=11]
   FAIL - Approach volume less than 100 for one lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=711]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
               Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #4 CA Circle & north site driveway
********************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:       Uncontrolled     Uncontrolled      Stop Sign        Stop Sign
Lanes:        0  1  1  0  0    0  0  1  1  0    0  0  1! 0  0    0  0  0  0  0
Initial Vol:    3  331     0     0  351    15     8    0     3     0    0     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:              700
Minor Approach Volume:            11
Minor Approach Volume Threshold: 408
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

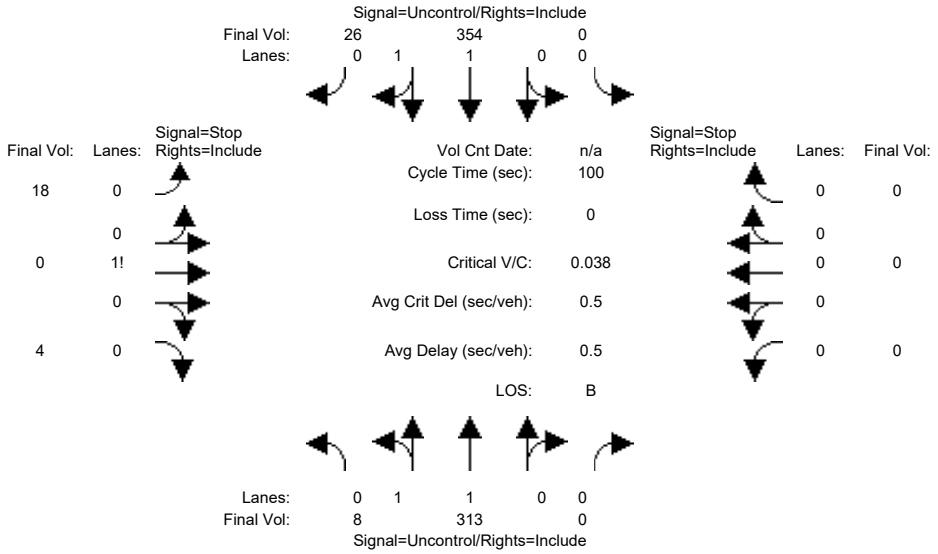
The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
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1355 California Circle Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project PM

Intersection #5: CA Circle & south site driveway



Street Name:	CA Circle						south site driveway					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Volume Module:												
Base Vol:	8	313	0	0	354	26	18	0	4	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	313	0	0	354	26	18	0	4	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	313	0	0	354	26	18	0	4	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	8	313	0	0	354	26	18	0	4	0	0	0
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.8	6.5	6.9	xxxxx	xxxx	xxxxx
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	380	xxxx	xxxxx	xxxx	xxxx	xxxxx	540	696	190	xxxx	xxxx	xxxxx
Potent Cap.:	1190	xxxx	xxxxx	xxxx	xxxx	xxxxx	477	368	826	xxxx	xxxx	xxxxx
Move Cap.:	1190	xxxx	xxxxx	xxxx	xxxx	xxxxx	475	365	826	xxxx	xxxx	xxxxx
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	0.04	0.00	0.00	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	8.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	514	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.1	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	8.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	12.3	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	A	*	*	*	*	*	*	B	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			12.3			xxxxxx		
ApproachLOS:	*			*			B			*		

Note: Queue reported is the number of cars per lane.

Peak Hour Delay Signal Warrant Report

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Intersection #5 CA Circle & south site driveway

****

Base Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R

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------------|---------------||---------------||---------------||---------------|
Control:       Uncontrolled     Uncontrolled      Stop Sign        Stop Sign
Lanes:        0  1  1  0  0    0  0  1  1  0    0  0  1! 0  0    0  0  0  0  0
Initial Vol:    8  313     0     0  354    26    18    0     4     0    0     0
ApproachDel:    xxxxxx           xxxxxx             12.3           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[eastbound][lanes=1][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=0.1]
   FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule #2: [approach volume=22]
   FAIL - Approach volume less than 100 for one lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=723]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
               Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #5 CA Circle & south site driveway
********************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:       Uncontrolled     Uncontrolled      Stop Sign        Stop Sign
Lanes:        0  1  1  0  0    0  0  1  1  0    0  0  1! 0  0    0  0  0  0  0
Initial Vol:    8  313     0     0  354    26    18    0     4     0    0     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:              701
Minor Approach Volume:            22
Minor Approach Volume Threshold: 407
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
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