LIVERMORE
CALIFORNIA

CITY COUNCIL

AGENDA
MONDAY, JANUARY 27, 2025

REGULAR MEETING – 7:00 PM

CLOSED SESSION 6:30 PM

MEETING PARTICIPATION INFORMATION CAN BE FOUND AT THE END OF THE AGENDA

CIVIC CENTER MEETING HALL
CITY COUNCIL CHAMBERS
1016 S. LIVERMORE AVENUE

CITY OF LIVERMORE YOUTUBE CHANNEL:
https://www.youtube.com/c/CityofLivermoreCalifornia

TV29:
Comcast TV Channel 29
tv29live.org

John P Marchand, Mayor
Evan Branning, Vice Mayor
Ben Barrientos, Council Member
Steven Dunbar, Council Member
Kristie Wang, Council Member

1. CLOSED SESSION - 6:30 PM

- Roll Call
- Opportunity for the the Public to Address City Council Regarding Closed Session Items
- Adjourn to Closed Session

Note: This Closed Session my be continued to the end of the Regular Meeting.

1.1 Public Employee Performance Evaluation. City Attorney Goal Setting for 2024-25 Review, pursuant to Government Code section 54957.

2. CALL TO ORDER

ROLL CALL

Council Member Ben Barrientos
Council Member Steven Dunbar
Council Member Kristie Wang
Vice Mayor Evan Branning
Mayor John Marchand

PLEDGE OF ALLEGIANCE

REPORT OF ACTION TAKEN IN CLOSED SESSION

3. PROCLAMATIONS AND PRESENTATIONS

3.1 Library Board of Trustees annual update presented by Chair Richard Hunt.

Recommendation:
Staff recommends the City Council accept the Library Board of Trustees annual update.

Staff Report

4. OPEN FORUM

- In conformance with the Brown Act, no City Council action can occur on items presented during Open Forum.
- To provide public comment in person, please submit a speaker card. When your name is called, walk to the lectern to address City Council.
- Comments are limited to a maximum of 3 minutes per person, per item. The Mayor may reduce the amount of time based on the number of persons wishing to speak.
- Comments are limited to one comment per person per item regardless of format or time submitted (this includes email and e-comment submissions prior to the meeting as well as live comments during the meeting).
- Open Forum will conclude after 30 minutes; however, if there are additional speakers, Open Forum will reconvene before the meeting adjourns.

5. CONSENT CALENDAR

Consent Calendar items are considered routine and are acted upon by the City Council with a single action. Members of the audience wishing to provide public input must submit a speaker

card found at the entrance of the Council Chambers. A speaker is limited to a single comment with a maximum of three minutes for the entire Consent Calendar. If Consent Calendar items are pulled for discussion by the City Council, a speaker will be allowed one comment per item on the items pulled for discussion and a separate comment for the remaining Consent Calendar. The one comment limit applies regardless of format or time submitted (this includes email and e-comment submissions prior to the meeting as well as live comments during the meeting).

5.1 Approval of draft minutes - December 9, 2024 Regular Meeting and January 13, 2025 Regular Meeting

Recommendation:
Staff recommends the City Council approve the draft minutes.

Staff Report
Attachments:
1. DRAFT 2024-12-09
2. DRAFT 2025-01-13

5.2 Resolution awarding a construction contract with McGuire and Hester in an amount not-to-exceed $2,434,000 for the construction of the Flagpole Plaza Project 2022-25.

Recommendation:
Staff recommends City Council adopt a resolution for the reconstruction of Flagpole Plaza Project 2022-25:

1. Awarding a construction contract to McGuire and Hester, in an amount not-to-exceed $2,434,000, and authorizing the City Manager to sign the contract attached as Exhibit A to the resolution,
2. Rejecting all other bids or proposals, and
3. Authorizing the City Manager to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution including approving minor changes to the proposed agreement.

Staff Report
Attachments:
1. Project Location
2. Resolution
3. Exhibit A - Agreement

5.3 Resolution declaring the intention to add Assessor's Parcel Number 904-0010-002-10 (SMP 40 project, located at the southern end of Discovery Drive and Atlantis Court) to the Future Annexation Area for the City of Livermore Community Facilities District No. 2021-1 (Maintenance and Public Services).

Recommendation:
Staff recommends the City Council adopt a resolution declaring the intention to add Assessor Parcel Number 904-0010-002-10 (SMP 40 project, located at the southern end of Discovery Drive and Atlantis Court) to Future Annexation Area for the City of Livermore Community

Facilities District No. 2021-1 (Maintenance and Public Services) and authorizing and directing actions related thereto.

Staff Report
Attachments:
1. Resolution
2. Exhibit A - Proposed Boundaries of Territory Added to Future Annexation Area of CFD 2021-1

5.4 Resolution authorizing the execution of a third amendment to the Agreement with Lawrence Livermore National Security, LLC for landscape maintenance services to extend the term through January 31, 2030.

Recommendation:
Staff recommends City Council adopt a resolution authorizing the City Manager to execute a third amendment to the Agreement with Lawrence Livermore National Security, LLC (LLNS) for the City to provide landscape maintenance services on the Lawrence Livermore National Laboratory (LLNL) frontage to extend the term through January 31, 2030.

Staff Report
Attachments:
1. Resolution
2. Exhibit A - Third Amendment

5.5 Resolution awarding and authorizing the execution of an agreement with HQ Construction Co. Inc. to perform on-call special project general contracting in an amount not-to-exceed $1,600,000 for a five-year term ending January 31, 2030.

Recommendation:
Staff recommends the City Council adopt a resolution awarding and authorizing execution of an agreement with HQ Construction Co. Inc. (HQ) for special project general contracting at various City facilities in an amount not-to-exceed $1,600,000 for a five-year term ending January 31, 2030.

Staff Report
Attachments:
1. Resolution
2. Exhibit A - Agreement

5.6 Resolution awarding and authorizing the execution of an agreement with Prime Mechanical Services Inc. to perform HVAC maintenance and repairs at all City-owned buildings in an amount not-to-exceed $1,800,000 for a five-year term ending February 28, 2030.

Recommendation:
Staff recommends the City Council adopt a resolution awarding and authorizing execution of an agreement with Prime Mechanical Services Inc. for heating ventilation and air conditioner (HVAC) maintenance and repair services at City-owned buildings in an amount not-to-exceed $1,800,000 for a five-year term ending February 28, 2030.

Staff Report

Attachments:

1. Resolution
2. Exhibit A - Agreement

6. PUBLIC HEARINGS

Comments are limited to one comment per person per item regardless of format or time submitted (this includes email and e-comment submissions prior to the meeting as well as live comments during the meeting).

6.1 Hearing to consider a request for Vesting Tentative Tract Map, Site Plan Design Review and Conditional Use Permit to develop vacant land located at the northwest corner of the Collier Canyon Road and Constitution Drive intersection, with a residential project known as Cornerstone.

Recommendation:

Staff recommends the City Council adopt resolutions:

1. Finding that the project is exempt under the California Environmental Quality Act, in accordance with California Government Code Section 65457 and CEQA Guidelines Section 15182 (c), Projects Pursuant to a Specific Plan, and California Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183, Projects Consistent with a Community Plan, General Plan, or Zoning;
2. Approving Vesting Tentative Tract Map (VTTM) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, and Conditional Use Permit (CUP) 24-009, subject to the attached Conditions of Approval; the requested Density Bonus Waivers and Incentive/Concessions; and the No Net Loss findings; and
3. Directing the Planning Manager to file a Notice of Exemption, in accordance with the provisions of the California Environmental Quality Act, subject to project approval.

Staff Report

Attachments:

1. Planning Commission Staff Analysis Memorandum
2. Location Maps
3. Development Plans
4. Summary of No Net Loss
5. Draft Planning Commission Minutes 12-17-24
6. Planning Commission Consistency Determination Resolution
7. Resolution - Environmental
8. Exhibit A - Planning Commission Environmental Resolution
9. Exhibit B - Initial Study
10. Resolution - Project
11. Exhibit A - Planning Commission Project Resolution
12. Exhibit B - Conditions of Approval

7. MATTERS FOR CONSIDERATION

Comments are limited to one comment per person per item regardless of format or time

submitted (this includes email and e-comment submissions prior to the meeting as well as live comments during the meeting).

7.1 Creation of a City Council ad-hoc subcommittee for the upcoming Planning Commissioner interviews.

Recommendation:
Staff recommends that the City Council appoint an ad-hoc subcommittee to create interview questions, review applications, and determine the number of qualified Planning Commission applicants to be interviewed by the full City Council on March 3, 2025.

Staff Report
Attachments:
1. Livermore Municipal Code Chapter 2.55

8. COUNCIL COMMITTEE REPORTS AND MATTERS INITIATED BY CITY MANAGER, CITY ATTORNEY, AND COUNCIL MEMBERS

9. ADJOURNMENT

To a Regular City Council meeting on Monday, February 10, 2025 at 7:00 pm, Civic Center Meeting Hall, City Council Chambers, 1016 S. Livermore Avenue.

10. SUPPLEMENTAL MATERIALS

10.1 Supplemental materials received prior to the meeting.

Staff Report
Attachments:
2025-01-27 Supplemental Materials

10.2 Supplemental materials received at the meeting.
Staff Report
Attachments:
1. Items Received at the Meeting

11. HOW TO PARTICIPATE IN YOUR CITY COUNCIL MEETING

You can participate in the meeting in a number of ways:

Open Forum is an opportunity for the public to speak regarding items not listed on the agenda. Speakers are limited to a maximum of 3 minutes per person. To address the City Council in person, you must submit a speaker card to the City Clerk prior to the start of that item. Please note that the City Council is prohibited by State law from taking action on any items that are not listed on the agenda. However, if your item requires action, the City Council may place it on a future agenda or direct staff to work with you and/or report to the City Council on the issue.

Public Hearings - The topic of the hearing is typically summarized by staff, followed by a presentation by the applicant, and questions from the City Council. The Mayor will then open

the hearing to the public and offer an opportunity for public comments. Speakers are limited to a maximum of 3 minutes per person. To address the City Council in person, you must submit a speaker card to the City Clerk prior to the start of the presentation of the item.

Other Agenda Items are also open for public input including Consent Calendar or Matters for Consideration items. These comments are also subject to the 3-minute limit.

Special Meetings, Workshops - The public will have the opportunity to address the City Council regarding the item that is the subject of the special meeting or workshop. Public comments are limited to a maximum of 3 minutes per person.

Platforms to Participate in Meetings:

Submission of Comments Prior to the Meeting:

Email Comments may be submitted by the public to the City Clerk's Office (cityclerk@LivermoreCA.gov). Items received no later than 12:00 pm on the day of the meeting will be provided to the City Council and available on the City website prior to the meeting. These items will NOT be read into the record.

eComments may be submitted by the public using the eComment link here. Comments may be up to 1000 characters in length and will be accepted up until 4:00 pm the day of the meeting. These items will NOT be read into the record and are viewable by the City Council and the public upon submittal.

Submission of Comments During the Meeting:

Speakers are limited to a maximum of 3 minutes per person. To submit a comment you must complete a speaker card for each item. Speaker cards are available in the Civic Center Meeting Hall lobby. Indicate on the card the item number you wish to comment on and submit the card directly to the City Clerk prior to the start of the item. Please note that the City Council is prohibited by State law from taking action on any items that are not listed on the agenda. However, if your item requires action, the City Council may place it on a future agenda or direct staff to work with you and/or report to the City Council on the issue.

The City will be using YouTube and TV29 as two tools to provide the public access to view City Council meetings. No public comment will be accepted via YouTube.

TV29: tv29live.org Comcast Cable 29

YouTube: http://youtube.com/c/CityofLivermoreCalifornia

If you would like to deliver written materials to the City Council as part of your public comment, please provide 10 copies to the City Clerk with your speaker card.

The **City Council Agenda and Agenda Reports** are prepared by City staff and are available for public review on Tuesday evening, six days prior to the City Council meeting in the Civic Center Library, 1188 South Livermore Avenue, Livermore, and at the City Clerk's Office, 1052

South Livermore Avenue, Livermore. The Agenda is also available on the City's website, http://LivermoreCA.gov/agenda.

Under Government Code §54957.5, any **supplemental material** distributed to the members of the City Council after the posting of this agenda will be available for public review in the City Clerk's Office, 1052 South Livermore Avenue, Livermore, and included in the agenda packet available on the City's web site at http://LivermoreCA.gov/agenda.

PURSUANT TO TITLE II OF THE AMERICANS WITH DISABILITIES ACT (CODIFIED AT 42 UNITED STATES CODE SECTION 12101 AND 28 CODE OF FEDERAL REGULATIONS PART 35), AND SECTION 504 OF THE REHABILITATION ACT OF 1973, THE CITY OF LIVERMORE DOES NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, RELIGION, NATIONAL ORIGIN, ANCESTRY, SEX, DISABILITY, AGE OR SEXUAL ORIENTATION IN THE PROVISION OF ANY SERVICES, PROGRAMS, OR ACTIVITIES. TO ARRANGE AN ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS PUBLIC MEETING, PLEASE CONTACT THE ADA COORDINATOR AT ADACOORDINATOR@LIVERMORECA.GOV OR CALL (925) 960-4170 (VOICE) OR (925) 960- 4104 (TDD) AT LEAST THREE (3) BUSINESS DAYS IN ADVANCE OF THE MEETING.

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 3.1**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Anwan Baker, Library Director

SUBJECT: Library Board of Trustees annual update presented by Chair Richard Hunt.

RECOMMENDED ACTION

Staff recommends the City Council accept the Library Board of Trustees annual update.

SUMMARY

DISCUSSION

ATTACHMENTS

Prepared by: Allen McFarland
Management Analyst II

Approved by:

Marianna Marysheva
City Manager

Fiscal Review by:

Tina Olson
Administrative Services Director

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 5.1**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Marianna Marysheva, City Manager

SUBJECT: Approval of draft minutes - December 9, 2024 Regular Meeting and January 13, 2025 Regular Meeting

RECOMMENDED ACTION

Staff recommends the City Council approve the draft minutes.

SUMMARY

DISCUSSION

ATTACHMENTS

1. DRAFT 2024-12-09
2. DRAFT 2025-01-13

Prepared by: Debbie Elam
City Clerk

Approved by:

Marianna Marysheva
City Manager

Fiscal Review by:

Tina Olson
Administrative Services Director

MINUTES

LIVERMORE
CALIFORNIA

CITY COUNCIL
DECEMBER 9, 2024

REGULAR MEETING

1. CLOSED SESSION - NONE

2. CALL TO ORDER – The meeting of the City Council was called to order by Mayor John Marchand at 7:00 p.m., held in person at 1016 S. Livermore Avenue.

ROLL CALL – Present: Mayor John Marchand, Vice Mayor Robert W. Carling, and Council Members, Ben Barrientos, Evan Branning and, Brittni Kiick.

PLEDGE OF ALLEGIANCE

3. PROCLAMATIONS AND PRESENTATIONS

3.1 Confirm Advisory Body appointments to the Human Services Commission and the Livermore Housing Authority and direct the City Clerk to administer the oath of office.

Human Services Commission 2 Vacancies
Appointment to an unexpired term ending November 1, 2026
- Jagdish Girimaji

Appointment to an unexpired term ending November 1, 2028
- Justin Probert

Livermore Housing Authority 2 Vacancies (1 Tenant, 62 Years Old+)
Reappointment to a regular term ending January 1, 2029
- Karen Hutchinson

Appointment to an unexpired term ending January 1, 2027 (Tenant, 62 Years Old+)
- Adam Talarman

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

ON THE MOTION OF VICE MAYOR CARLING, SECONDED BY COUNCIL MEMBER KIICK AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL CONFIRMED THE APPOINTMENTS.

City Clerk Debbie Elam administered the oath of office.

4. OPEN FORUM

Mayor Marchand opened the public comment period.

Arthur Barinque provided a comment.

Karl Wente provided a comment.

Trish Munro provided a comment.

There were no more speakers, and the public comment period was closed.

5. CONSENT CALENDAR

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

ON THE MOTION OF COUNCIL MEMBER KIICK, SECONDED BY VICE MAYOR CARLING AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL APPROVED THE CONSENT CALENDAR.

5.1 Approval of draft minutes for November 25, 2024.

5.2 Adoption of Omnibus Ordinance 2168 amending various sections of the Livermore Municipal Code and Livermore Development Code to make administrative, technical, and other non-substantive amendments.

5.3 Resolution 2024-204 authorizing the acceptance for permanent maintenance, release of the security bonds, and execution of a Notice of Completion for the City Hall HVAC & Central Plant Chiller Replacement Project 2018-30.

5.4 Resolution 2024-205 authorizing acceptance for permanent maintenance, release of the security bonds, and execution of a Notice of Completion for the 2023 Storm Damage Repair Project (LOP 5, 13, & 14), City Projects S202300A & S202300P, FEMA 4683.

5.5 Resolution 2024-206 determining Parcel 14 of Tract 8613, Shea Portola Apartments, located at the northeast corner of Portola Avenue and Collier Canyon Road, is annexed to the City of Livermore Community Facilities District No. 2023-1 (Isabel Neighborhood Specific Plan Services).

5.6 Resolution 2024-207 approving the funding agreement between the Tri-Valley Transportation Council and the City of Livermore for the allocation of Tri-Valley Transportation Development Fund (TVTDF) funds in the amount of

$5,139,000 for environmental, permitting, right-of-way, and design activities associated with the I-580/Vasco Road Interchange Modification 1993-52.

5.7 Resolution 2024-208 making findings regarding the continuing need for unexpended balances of Development Impact Fees as of June 30, 2024, and accepting the Annual Report of Development Fee and Connection Fee Revenues and Expenditures for Fiscal Year 2023-24.

5.8 Resolution 2024-209 accepting the recommendation of the Altamont Landfill Open Space Committee to authorize the City's grant request.

Resolution 2024-210 finding the acquisitions of the Quint Property is categorically exempt from CEQA.

Resolution 2024-211 authorizing the City Manager to enter into Purchase and Sale Agreements for open space land.

Resolution 2024-212 appropriating funds for the acquisition of the Quint Property (41 acres - APNs: 99B-5300-2-13, 99B-5450-10-3).

5.9 Resolution 2024-213 authorizing the Livermore Pleasanton Fire Department JPA (LPFD) to give notice of withdrawal to the California Joint Powers Risk Management Authority (CJPRMA).

5.10 Resolution 2024-214 authorizing the execution of a settlement agreement with the Livermore Premium Outlets LLC regarding public safety and traffic management.

5.11 Resolution 2024-215 accepting annual special tax and bond accountability reports for Fiscal Year 202324 Community Facilities District No. 99-1 (Tri-Valley Technology Park), 2009-1 (El Charro), 2012-1 (El Charro Maintenance), 2015-1 (Brisa Maintenance), 2016-1 (Sage Maintenance), 2016-2 (Shea Properties), 2018-1 (Auburn Grove), and 2021-1 (Maintenance and Public Services).

5.12 Resolution 2024-216 amending the City of Livermore Salary Plan to reflect adjustments to the Unclassified and Hourly salary schedule to implement increased minimum wage adjustments in accordance with California Code of Regulations, Title 2, Section 570.5 and establish a new classification of Water Resources Technical Programs Manager - PE (Class Code 2231) and assign it to the Livermore Management Group salary schedule.

5.13 Resolution 2024-217 accepting the i-GATE Annual Report for Fiscal Year 2023-24.

5.14 Update on Host Community Impact Fee Reserve Policy relating to the Bankhead Theater.

City Council received the update.

6. PUBLIC HEARINGS – NONE

7. MATTERS FOR CONSIDERATION

7.1 Resolution accepting the Canvass of Votes for the November 5, 2024 General Municipal Election.

Recommendation: Staff recommended the City Council adopt a resolution accepting the canvass of votes as certified by the Alameda County Registrar of Voters for the November 5, 2024 General Municipal Election.

City Clerk Debbie Elam presented the staff report.

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

ON THE MOTION OF COUNCIL MEMBER KIICK, SECONDED BY COUNCIL MEMBER BARRIENTOS AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL ADOPTED THE FOLLOWING RESOLUTION:

Resolution 2024-218 accepting the canvass of votes as certified by the Alameda County Registrar of Voters for the November 5, 2024 General Municipal Election.

The Mayor reordered the agenda moving Item 14. to before Item 8. Adjournment.

14. COUNCIL COMMITTEE REPORTS AND MATTERS INITIATED BY CITY MANAGER, CITY ATTORNEY, STAFF AND COUNCIL MEMBERS

THE MAYOR AND CITY COUNCIL MEMBERS PROVIDED A SUMMARY OF RECENTLY ATTENDED EVENTS AND MEETINGS IN ADDITION TO THE INFORMATION PROVIDED IN THE SUPPLEMENTAL PACKET. COUNCIL MEMBERS WHO DID NOT PROVIDE A SUMMARY IN THE SUPPLEMENTAL PACKET ARE INCLUDED BELOW.

Compensation Discussion Council Member Kiick requested that city staff continue the discussion on compensation differentiation with the future council.

Interfaith Housing Vice Mayor Carling acknowledged that Open Heart Kitchen provided meals to the residents of Interfaith Housing when the residents did not have gas.

8. ADJOURNMENT - Adjournment sine die.

9. DELIVERY OF CERTIFICATES OF ELECTION AND ADMINISTRATION OF OATH OF OFFICE TO:

JOHN MARCHAND - MAYOR
STEVEN DUNBAR - DISTRICT 3
KRISTIE WANG - DISTRICT 4

City Clerk Debie Elam administered the oath of office to Mayor John Marchand, Council Member Steven Dunbar, and Council Member Kristie Wang.

The City Council took a recess at 7:55 p.m. and reconvened at 8:06 p.m.

10. CALL TO ORDER – The meeting of the City Council was called to order by Mayor John Marchand at 8:06 p.m.

ROLL CALL
Present: Mayor John Marchand and Council Members Ben Barrientos, Evan Branning, Steven Dunbar, and Kristie Wang.

11. PROCLAMATIONS AND PRESENTATIONS – NONE

12. OPEN FORUM

Mayor Marchand opened the public comment period.

Brittni Kiick provided a comment.

Karl Wente provided a comment.

Alan Marling provided a comment.

There were no speakers, and the public comment period was closed.

13. MATTERS FOR CONSIDERATION

13.1 Appointment of Vice Mayor for the period of 2024-2025.

Recommendation: Staff recommended the City Council appoint a Vice Mayor for the period of 2024-2025.

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

ON THE MOTION OF MAYOR MARCHAND, SECONDED BY COUNCIL MEMBER BARRIENTOS, AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL APPOINTED COUNCIL MEMBER BRANNING AS VICE MAYOR FOR THE PERIOD OF 2024-2025.

13.2 Council Members Appointments to Intergovernmental Agencies.

Recommendation: Staff recommended the Mayor appoint Council Members to Intergovernmental Agencies, with the City Council's approval.

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

ON THE MOTION OF VICE MAYOR BRANNING, SECONDED BY COUNCIL MEMBER WANG, AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL APPROVED THE FOLLOWING APPOINTMENTS:

List of appointments – See attached document.

13.3 Appointment of Council Members to the City Council Subcommittee on Advisory Bodies for the period of January 1, 2025 - June 30, 2025.

Recommendation: Staff recommended the Mayor appoint two Council Members to serve on the City Council Subcommittee on Advisory Bodies for the period of January 1, 2025 - June 30, 2025, with the City Council's approval.

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

ON THE MOTION OF COUNCIL MEMBER BARRIENTOS, SECONDED BY COUNCIL MEMBER DUNBAR, AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL APPOINTED VICE MAYOR BRANNING AND MAYOR MARCHAND TO SERVE ON THE CITY COUNCIL SUBCOMMITTEE ON ADVISORY BODIES FOR THE PERIOD OF JANUARY 1, 2025 - JUNE 30, 2025.

14. COUNCIL COMMITTEE REPORTS AND MATTERS INITIATED BY CITY MANAGER, CITY ATTORNEY, STAFF AND COUNCIL MEMBERS

THE MAYOR AND CITY COUNCIL MEMBERS PROVIDED A SUMMARY OF RECENTLY ATTENDED EVENTS AND MEETINGS IN ADDITION TO THE INFORMATION PROVIDED IN THE SUPPLEMENTAL PACKET. COUNCIL MEMBERS WHO DID NOT PROVIDE A SUMMARY IN THE SUPPLEMENTAL PACKET ARE INCLUDED BELOW.

City of Livermore Council Member Branning expressed gratitude toward the outgoing Council Members and expressed support for working with the newly appointed Council Members.

Livermore Police Department Mayor Marchand expressed support for the Giving Tree and Shop with a Cop programs.

Bankhead Theatre/Downtown Livermore Mayor Marchand announced the upcoming Menorah lighting on December 28, 2024.

Livermore Wine Trolley Mayor Marchand noted the tickets for the family wine trolley are sold out.

Wine Spectator Mayor Marchand announced that Livermore, CA made the list of Hallmark Wine Country Communities.

15. ADJOURNMENT – at 8:30 p.m. in memory of Phillip Dean to a Regular City Council Meeting on Monday, January 13, 2025, at 7:00 p.m., Civic Center Meeting Hall, City Council Chambers, 1016 S. Livermore Avenue.

APPROVED: _____
JOHN P. MARCHAND, MAYOR

ATTEST: _____
DEBORAH L. ELAM, CITY CLERK

City Council Appointments to Intergovernmental Agencies/ City Bodies Appointed by the Mayor
UPDATED: December 9, 2024

ATTACHMENT 1

Intergovernmental Agency	Delegate	Alternate	Date Appointed	Meeting Day/Month	Meeting Time	Agenda / Meeting Information
Alameda County Airport Land Use Commission	John Marchand	No Alternate	12/9/2024	Bi-Monthly (Jan, Mar, May, July, Sept, Nov)	3rd Wednesday, 2:00 PM	Alameda County Community Development - Meetings Calendar
Alameda County Transportation Commission (ACTC)	John Marchand	Steven Dunbar	12/9/2024	4th Thursday of the month	2:00 PM	https://www.alamedactc.org/all-meetings
Altamont Landfill Community Monitor Committee	Ben Barrientos Member	No Alternate	12/9/2024	Quarterly, 2nd Wednesday (Jan, Apr, July, Oct)	4:00 PM	https://altamontcmc.org/
Altamont Landfill Open Space Account Advisory Committee	Kristie Wang	No Alternate	12/9/2024	Bi-monthly (Jan, March, May, July, Sept, Nov) – 3rd Friday of the month, 12:30 pm to 2:30 p.m.	12:30 pm. to 2:30 pm	Alameda County Community Development - Meetings Calendar
Altamont Regional Traffic Authority	John Marchand	Kristie Wang	12/9/2024	At least one regular meeting each year	The date, hour and place at which each such regular meeting shall be fixed by resolution.	Altamont Regional Traffic Authority

City Council Appointments to Intergovernmental Agencies/ City Bodies Appointed by the Mayor
UPDATED: December 9, 2024

ATTACHMENT 1

Intergovernmental Agency	Delegate	Alternate	Date Appointed	Meeting Day/Month	Meeting Time	Agenda / Meeting Information
Association of Bay Area Governments (ABAG) General Assembly	Evan Branning	Ben Barrientos	12/9/2024	3rd Tuesday of every month. General Conference, as announced, 1 day program (Additional meetings, as announced)	7:00 p.m.	https://abag.ca.gov/meetings
*Ava (formerly known as East Bay Community Choice Energy JPA (EBCE JPA)	Ben Barrientos	Steven Dunbar	12/9/2024	3rd Wednesday of the month, 6:00 p.m.	6:00 p.m.	https://avaenergy.org/about-ava/meetings-events/public-meetings/
Intergovernmental Committee (City / LARPD / LVJUSD)	Evan Branning	Kristie Wang	12/9/2024	Pending changes meeting is held Bi-monthly on the 3rd Thurs of the month	8:30 AM or 3:30 PM	https://www.larpd.org/intergovernmental-liaison-committee
League of California Cities East Bay Division (LOCC)	Evan Branning	Kristie Wang	12/9/2024	Regular Meetings 4th Thursday of each month, 7:00 p.m.	Varies, as announced	calcities.org/Events/Calendar-of-Events
Livermore-Amador Valley Transit Authority (LAVTA) (Wheels)	Evan Branning & Kristie Wang	John Marchand	12/9/2024	1st Monday of the month, 4:00 p.m.	4:00 p.m.	https://www.wheelsbus.com/meetings-agenda/

City Council Appointments to Intergovernmental Agencies/ City Bodies Appointed by the Mayor
UPDATED: December 9, 2024

ATTACHMENT 1

Intergovernmental Agency	Delegate	Alternate	Date Appointed	Meeting Day/Month	Meeting Time	Agenda / Meeting Information
*Livermore Amador Valley Water Management Agency (LAVWMA) JPA	Evan Branning & Steven Dunbar	John Marchand	12/9/2024	Quarterly; 3rd Wed of February, May, August, November, 6:00 p.m.	6:00 p.m.	https://lavwma.com/meetings/
Livermore Cultural Arts Council (LCAC)	John Marchand	Kristie Wang	12/9/2024	Monthly, 1st Wed of month, except July.	7:00 p.m.	https://lcac.org/about/
Livermore Downtown Inc (LDI)	Evan Branning	Kristie Wang	12/9/2024	3rd Tuesday of the month		https://www.livermoredowntown.com/about/board-of-directors
Livermore-Pleasanton Fire Department JPA (LPFD JPA)	John Marchand	Steven Dunbar	12/9/2024	As needed	Varies, as needed	https://www.lpfire.org/about-us/jpa/jpa-board
Livermore Valley Chamber of Commerce Liaison	John Marchand		12/9/2024	4th Wednesday of the month, 8:00 a.m.	8:00 AM	https://www.livermorechamber.org/about-us/board

Intergovernmental Agency	Delegate	Alternate	Date Appointed	Meeting Day/Month	Meeting Time	Agenda / Meeting Information
Stockmen's Association Liaison	John Marchand		12/9/2024	As needed		
Sister Cities Committee - Yotsukaido, Japan	John Marchand	Evan Branning	12/9/2024			
Sister Cities Committee - Quezaltenango, Gutemala	John Marchand	Ben Barrientos	12/9/2024			
Sister Cities Committee - Snezhinsk, Russia	John Marchand	Kristie Wang	12/9/2024			
StopWaste.Org (ACWMA and The Alameda County Source Reduction and Recycling Board)	Ben Barrientos	Kristie Wang	12/9/2024	Regular meetings, 4th Wednesday of month, 3:00 p.m. Subcomm 2nd Thurs of month, time varies	3:00 PM	https://www.stopwaste.org/about-stopwaste/board-information/upcoming-board-meetings

City Council Appointments to Intergovernmental Agencies/ City Bodies Appointed by the Mayor
UPDATED: December 9, 2024

ATTACHMENT 1

Intergovernmental Agency	Delegate	Alternate	Date Appointed	Meeting Day/Month	Meeting Time	Agenda / Meeting Information
Tri-Valley Cities Council	Mayor and all Council Members		12/9/2024	Quarterly		
Tri-Valley Community Television Corporation (TVCTV)	Paul Spence	Marianna Marysheva	12/9/2024	Board Meeting are normally scheduled quarterly, the third Thursday of the month	3:00 PM	View published agendas on City Meeting Calendar page on City of Livermore website
Tri-Valley Council - Affordable Housing Committee (TVAHC) (This board no longer meets)	Kristie Wang	Ben Barrientos	12/9/2024	Quarterly	Rotation order between cities; Danville, San Ramon, Dublin, Pleasanton, Livermore	Posted on each City's website
Tri-Valley-San Joaquin Valley Regional Rail Authority (Valley Link)	John Marchand	No Alternate	12/9/2024	Monthly	Rotates between member agency locations	valleylinkrail.com
Tri-Valley Transportation Council (TVTC)	Kristie Wang	Ben Barrientos & rest of Council	12/9/2024	Quarterly, 3rd Monday of the month	4:40 p.m.	https://www.tvtc-jpa.com/Meetings/Upcoming-Meetings.aspx

City Council Appointments to Intergovernmental Agencies/ City Bodies Appointed by the Mayor
UPDATED: December 9, 2024

ATTACHMENT 1

Intergovernmental Agency	Delegate	Alternate	Date Appointed	Meeting Day/Month	Meeting Time	Agenda / Meeting Information
Tri-Valley Water Liaison Committee/Agencies Round Table Liaison Committee (Zone 7)	John Marchand	Steven Dunbar	12/9/2024	Quarterly when mutually agreed upon by the participating agencies.		https://www.zone7water.com/board-meetings
Zone 7 Intergovernmental Liaison Committee	John Marchand	No alternate appointed	12/9/2024	As needed		https://www.zone7water.com/board-meetings
***NOTE:** For scheduling purposes - AVA and LAVWMA both have meetings on the 3rd Wednesday of the month						

LIVERMORE
CALIFORNIA

CITY COUNCIL
JANUARY 13, 2025

CLOSED SESSION

CALL TO ORDER – The Closed Session of the City Council was called to order by Mayor John Marchand at 6:45 p.m., held in person at 1016 S. Livermore Avenue.

ROLL CALL – Present: Mayor John Marchand, Vice Mayor Evan Branning, Council Members Evan Branning and Kristie Wang.

Absent: Council Member Barrientos

OPPORTUNITY FOR THE PUBLIC TO ADDRESS THE CITY COUNCIL REGARDING CLOSED SESSION ITEMS.

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

1. ADJOURN TO CLOSED SESSION

1.1 Conference with Labor Negotiators. To meet with Tina Olson, Administrative Services Director, Kristen Hilton, Human Resources Manager, and Charles Sakai, a partner with the law firm Sloan, Sakai, Yeung and Wong LLP, the City's negotiators pursuant to Government Code section 54957.6, regarding negotiations with the Livermore Police Officers Association.

Council Member Barrientos arrived at 6:53 p.m.

REGULAR MEETING

2. CALL TO ORDER – The meeting of the City Council was called to order by Mayor John Marchand at 7:03 p.m., held in person at 1016 S. Livermore Avenue.

ROLL CALL – Present: Mayor John Marchand, Vice Mayor Evan Branning, Council Members Ben Barrientos, Evan Branning and, Kristie Wang.

PLEDGE OF ALLEGIANCE

REPORT OF ACTION TAKEN IN CLOSED SESSION

City Attorney Jason Alcala stated there was no reportable action.

3. PROCLAMATIONS AND PRESENTATIONS – NONE

4. OPEN FORUM

Mayor Marchand opened the public comment period.

David McGuigan provided a comment.

Mayor Marchand called for recess at 7:09 p.m. and reconvened the meeting at 7:21 p.m.

Mayor Marchand reordered the agenda moving Open Forum after item 6.1

5. CONSENT CALENDAR

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

Item 5.4 Reanna Bradford of Livermore Valley Arts was invited to speak.

ON THE MOTION OF COUNCIL MEMBER DUNBAR, SECONDED BY COUNCIL MEMBER WANG AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL APPROVED THE CONSENT CALENDAR.

5.1 Resolution 2025-001 authorizing execution of a first amendment to the agreement with Pangea Environmental Services, Inc. for additional environmental support services for remediation activities associated with Livermore Village Remediation Project 2021-18, increasing the not-to-exceed contract amount from $1,165,000 to $1,716,500 and extending the term to December 31, 2028.

5.2 Resolution 2025-002 authorizing execution of the First Amendment to the Lease Agreement with the Livermore Flying Electrons Radio Control Club, Inc. (LFE) for the Raymond Road Model Aircraft Facility.

5.3 Resolution 2025-003 authorizing a second amendment to the agreement with PPWPM, Inc. to perform power washing services in the downtown corridor and other City-owned or maintained areas, increasing the not-to-exceed agreement amount from $300,000 to $575,000 and extending the term of the agreement through October 31, 2026.

5.4 Resolution 2025-004 accepting the Livermore Valley Arts Annual Report for Fiscal Year 2023-2024.

5.5 Resolution 2025-505 authorizing a supplemental appropriation in the

amount of $450,000 in FY 2024-25 and awarding a construction contract with Westside Landscape & Concrete, Inc. in an amount not-to-exceed $335,204 for the construction of the Holmes Street Decorative Fence Replacement West Side from Catalina Drive to El Caminito Project PB200654.

6. PUBLIC HEARINGS

6.1 Hearing to consider a request to change the street name on a portion of East Vallecitos Road. The new name will be East Vineyard Avenue. New street numbers and the new street name will be issued to four parcels for the purpose of improving emergency response time and delivery service to those residents along the portion of the subject street.

Recommendation: The Planning Commission and staff recommended the City Council adopt a resolution approving the renaming of a portion of East Vallecitos Road to East Vineyard Avenue and instructing the Planning Manager to file a Notice of Exemption with the Alameda County Recorder's Office.

Associate Planner Ackerman presented the staff report.

Mayor Marchand opened the public hearing.

There were no speakers, and the hearing was closed.

ON THE MOTION OF COUNCIL MEMBER DUNBAR, SECONDED BY VICE MAYOR BRANNING AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL ADOPTED THE FOLLOWING RESOLUTIONS:

Resolution 2025-006 finding that the matters initiated by staff (MIS) 24-001 is exempt from the provisions of the California Environmental Quality Act.

Resolution 2025-007 approving Matters Initiated by Staff (MIS) 24-001 for the request to change the street name on a portion of East Vallecitos Road to East Vineyard Avenue.

4. OPEN FORUM

Mayor Marchand re-opened the public comment period.

David McGuigan concluded a comment.

Suzy provided a comment.

Michael Blau provided a comment.

Arthur Barinque provided a comment.

There were no additional speakers, and the public comment period was closed.

7. MATTERS FOR CONSIDERATION - NONE

8. COUNCIL COMMITTEE REPORTS AND MATTERS INITIATED BY CITY MANAGER, CITY ATTORNEY, STAFF AND COUNCIL MEMBERS

THE MAYOR AND CITY COUNCIL MEMBERS PROVIDED A SUMMARY OF RECENTLY ATTENDED EVENTS AND MEETINGS IN ADDITION TO THE INFORMATION PROVIDED IN THE SUPPLEMENTAL PACKET. COUNCIL MEMBERS WHO DID NOT PROVIDE A SUMMARY IN THE SUPPLEMENTAL PACKET ARE INCLUDED BELOW.

Serving Hands Council Members Barrientos, Dunbar, and Wang noted their attendance at the Children's Business Fair held at Altamont Creek School on January 11, 2025.

Council Member Dunbar stated it was an honor representing the community.

Council Member Wang thanked staff for the extensive onboarding.

Council Member Barrientos and Vice Mayor Branning encouraged staff to find ways to help victims of the Southern California fires.

Vice Mayor Branning requested that staff contact Mr. Blau regarding garbage charges.

9. ADJOURNMENT – at 8:01 p.m. to a Regular City Council Meeting on Monday, January 27, 2025 at 7:00 p.m., Civic Center Meeting Hall, City Council Chambers, 1016 S. Livermore Avenue.

APPROVED: _____
JOHN P. MARCHAND, MAYOR

ATTEST: _____
DEBORAH L. ELAM, CITY CLERK

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 5.2**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Brent Smith, Community Development Director

SUBJECT: Resolution awarding a construction contract with McGuire and Hester in an amount not-to-exceed $2,434,000 for the construction of the Flagpole Plaza Project 2022-25.

RECOMMENDED ACTION

Staff recommends City Council adopt a resolution for the reconstruction of Flagpole Plaza Project 2022-25:

1. Awarding a construction contract to McGuire and Hester, in an amount not-to-exceed $2,434,000, and authorizing the City Manager to sign the contract attached as Exhibit A to the resolution,
2. Rejecting all other bids or proposals, and
3. Authorizing the City Manager to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution including approving minor changes to the proposed agreement.

SUMMARY

The Flagpole Plaza Project will replace the existing bluestone sidewalk and decomposed granite dining areas with new stamped concrete and hardscaped designated outdoor dining areas. The project will also restore a public gathering space. Attachment 1 shows the project location. The redesigned plaza will be fully ADA-compliant and accessible to all. Planned upgrades include enhanced lighting, featuring string lights to create a warm and inviting ambiance, as well as new landscaping. Additionally, advanced security cameras linked to the Police Department's Real Time Awareness Center will be installed to bolster public safety. This project aims to enhance both the safety and aesthetics of a prominent city intersection, transforming it into a vibrant and functional space for the community.

Two bids were received for this project on December 10, 2024. Staff recommends the City Council award and authorize a construction contract with McGuire and Hester, the lowest responsible and responsive bidder, and authorize the City Manager to sign the construction contract.

DISCUSSION

The Flagpole Plaza was originally designed with a large grass area serving as a public gathering space.

However, following the onset of the COVID-19 pandemic in 2020, the area was repurposed for outdoor dining. During this time, the grass was removed and replaced with decomposed granite to better accommodate dining needs. The City has since developed a design for the reconstruction of Flagpole Plaza with the following key goals in mind: restore the public gathering space, strengthen connections between the flagpole, the large existing fountain, and the plaza, and retain opportunities for outdoor dining in alignment with the Downtown Outdoor Dining Program. The design also aims to maintain east/west and north/south pedestrian connections through the site, while provide new landscaping, lighting and security cameras.

In August 2024, the City of Livermore began soliciting qualified contractors for pre-qualification based on the Department of Industrial Relations' model. Four contractors were pre-qualified for the project: Robert A. Bothman, Inc., McGuire and Hester, Golden Bay Construction, Inc., and Grade Tech, Inc. On December 10, 2024, the City received two bids for the project. The bids came in approximately 28% higher than anticipated most likely due to only having four pre-qualified bidders and only having two bidders actively participate in the bidding process. However, because this project is in the middle of the downtown and will impact neighboring businesses, staff recommends making sure that a pre-qualified contractor with substantial experience is selected. The lowest responsible and responsive bidder, McGuire and Hester, is a reputable construction company based in Oakland, California and has worked on various projects for the City of Livermore, Stanford University and Santa Clara Valley Water District. Staff has checked references for McGuire and Hester and has found them satisfactory. In accordance with Livermore Municipal Code Section 2.68.590, Change Order authorization of 10%, $243,000, is allowed.

Contractor	Location	Bid Amount
McGuire & Hester	Oakland	$2,434,000
Robert A. Bothman Construction	Santa Clara	$2,554,000
Engineer's Estimate		$1,900,000

Staff is currently working with the individual business owners in the Flagpole Plaza to discuss the project timeline, necessary sidewalk access closures, utility box replacements/adjustments, and assistance in arrangement of outdoor furniture for each outdoor dining area.

FISCAL AND ADMINISTRATIVE IMPACTS

The Flagpole Plaza Project 2022-25 budget is currently $2.1 million: $1.7 million from Gas Taxes Fund 560 and $400,000 from Measure BB-Local Streets and Roads Fund 552. This budget covers design, project management, and construction activities in FY 2024-25. An additional $1.36 Million is required in FY 2025-26 to cover remaining construction, change orders, inspection, materials testing, engineering design services during construction, and project management. This additional funding will be requested as part of the 2025-2030 Capital Improvement Plan that will come to Council for approval in June 2025. This additional funding will come from Measure B - Bike/Pedestrian Fund 831 and Measure B - Local Streets and Roads Fund 832.

COMMUNITY PILLAR

4: Inclusive & Inviting Spaces & Places

GOAL

3: Continue to implement the Downtown Specific Plan

ATTACHMENTS

1. Project Location
2. Resolution
3. Exhibit A - Agreement

Prepared by: Joel Waxdeck
City Engineer

Approved by:



Marianna Marysheva
City Manager

Fiscal Review by:



Tina Olson
Administrative Services Director

FLAGPOLE PAZA, LIVERMORE

LOCATION MAP



IN THE CITY COUNCIL OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION AWARDING A CONSTRUCTION CONTRACT WITH MCGUIRE AND HESTER, IN AN AMOUNT NOT-TO-EXCEED $2,434,000, FOR THE CONSTRUCTION OF THE FLAGPOLE PLAZA

(Flagpole Plaza Project 2022-25)

The Flagpole Plaza Project will replace the existing bluestone sidewalk and decomposed granite dining areas with new stamped concrete and hardscaped designated outdoor dining areas. The project will also restore a public gathering space. The redesigned plaza will be fully ADA-compliant and accessible to all. Planned upgrades include enhanced lighting, featuring string lights to create a warm and inviting ambiance, as well as new landscaping. Additionally, advanced security cameras linked to the Police Department's Real Time Awareness Center will be installed to bolster public safety. This project aims to enhance both the safety and aesthetics of a prominent city intersection, transforming it into a vibrant and functional space for the community.

The City of Livermore pre-qualified four contractors in August 2024, for the Construction of the Flagpole Plaza Project 2022-25 ('Project"). Two of these contractors submitted bids and they were opened on December 10, 2024.

City staff recommends awarding the project to McGuire and Hester, the lowest responsible and responsive bidder for the Project, and authorize the City Manager to sign the agreement.

Funding for the Project in FY 2024-25 is included in the 2023-2028 Capital Improvement Plan. Funding for the Project in FY 2025-26 will be requested as part of the 2025-2030 Capital Improvement Plan.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Livermore that it hereby:

1. Awards a construction contract to McGuire and Hester, in an amount not-to-exceed $2,434,000, and authorizes the City Manager to sign the contract attached as Exhibit A to the resolution;

2. Rejects all other bids or proposals; and

3. Authorizes the City Manager to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution including approving minor changes to the proposed agreement.

On motion of Council Member _____, seconded by Council Member _____, the foregoing resolution was passed and adopted on January 27, 2025, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAIN: COUNCIL MEMBERS:

ATTEST:

_____
Deborah L. Elam
City Clerk

APPROVED AS TO FORM:

/s/ Tara Mazzanti
Tara Mazzanti
Senior Assistant City Attorney

Exhibit A- Construction Contract with McGuire and Hester

CONTRACT

This public works contract ("Contract") is entered into by and between the City of Livermore, a California Municipal Corporation ("City") and McGuire and Hester, a California corporation ("Contractor") for work on the Flagpole Plaza Project: 2022-25 ("Project").

The Parties Agree as Follows:

1. Award of Contract.

In response to the Notice Inviting Bids, Contractor has submitted a Bid Proposal to perform work on the Project, and on January 27, 2025, as part of Resolution No. _____, City authorized award of this Contract to Contractor for the amount of Contractor's bid.

2. Contract Documents.

This Contract consists of all of the written representations and submissions made by Contractor as part of the Bid process and the following numbered and un-numbered component documents, as detailed on the table of contents of this Agreement:

a. Bidding requirements (consisting of the Notice Inviting Bids; Instructions to Bidders; Bid Proposal; Bid Schedule, Subcontractor List, Noncollusion Declaration, Bid Bond, Bidder's Questionnaire, Payment Bond, Performance Bond, Warranty Bond);

b. General Conditions;

c. Special Conditions;

d. Division One Technical Specifications;

e. Appendix;

f. Index of Defined Terms;

g. Project Drawings and Specifications;

h. Bid Addenda, if any;

i. Change Orders, if any;

j. ALB Notice;

k. Notice to Proceed;

l. City Standard Specifications and Details;

m. And the following: No other documents.

3. Contractor's Obligations.

Contractor agrees to perform all of the Work required for the Project, as specified in the Contract Documents. Contractor must provide, furnish, and supply all things necessary and incidental for the timely performance and completion of the Work, including all necessary labor, materials, equipment, transportation, and utilities, unless otherwise specified in the Contract Documents. Contractor must use its best efforts to complete the Work in a professional and expeditious manner and to meet or exceed the performance standards required by the Contract Documents.

4. Payment.

As full and complete compensation for Contractor's timely performance and completion of the Work in strict accordance with the terms and conditions of the Contract Documents, City will pay Contractor Two Million, Four Hundred and Thirty-Four Thousand Dollars ($2,434,000) (the "**Contract Price**"), in accordance with the payment provisions in the General Conditions.

5. Time for Completion.

5.1. Substantial Completion

Contractor must achieve Substantial Completion, as that term is defined in the General Conditions, of the Project Work within 110 Working Days from the commencement date stated in the Notice to Proceed. ("**Substantial Completion Deadline**."). For this project, the Contractor shall also incorporate 10 days number of average anticipated inclement Weather Days into their bid estimate. Contractor shall be solely responsible for the extended overhead and profit for these weather days and shall not be compensated by the City in any way, reference Section 10.3 of the General Conditions and Section 013200-4.3 Contract Schedules for additional weather day information.

5.2. Final Completion

Contractor must achieve Final Completion, as that term is defined in the General Conditions, of the Project Work within 20 Working Days after the date of substantial completion. ("**Final Completion Deadline**")

5.3. Early Completion.

By signing below, Contractor expressly waives any claim for delayed early completion.

6. Liquidated Damages.

If Contractor fails to meet either the Substantial Completion Deadline or the Final Completion Deadline, City may assess liquidated damages according to the provisions in the General Conditions of the Contract Documents in the following amounts for each day of Unexcused Delay, and the Contract Price shall be reduced accordingly.

6.1. Substantial Completion Deadline: Two thousand dollars ($ 2,000) per day.

6.2. Final Completion Deadline: Two thousand dollars ($ 2,000) per day.

6.3 Milestone Penalty

The Contractor's attention is directed to the fact that during the period of business hours, access to each business shall remain open. No interruption to the operation and access to businesses shall be allowed, with the exception of the approved closure time for construction of the pedestrian access adjacent to businesses. This work shall be completed within seven (7) consecutive calendar days regardless holidays or weekend work. The Contractor shall submit a work schedule for approval by the City for construction operations adjacent to existing businesses. Contractor shall not interfere with the operation of the businesses outside of the allowed closure of seven (7) consecutive days. If the Contractor fails to meet Milestone 1 established in the Contract Schedule for the Project, City may assess penalties in the following amounts for each day of Unexcused Delay: **Five thousand ($5,000) per day.**

Milestone Item	**Duration from Sidewalk Construction Start Date** (consecutive calendar days)	**Liquidated Damages** ($/calendar day)
Completion Milestone 1	7	$5,000

7. Labor Code Compliance.

This Contract is subject to all applicable requirements of Chapter 1 of Part 7 of Division 2 of the California Labor Code, including requirements pertaining to wages, working hours and workers' compensation insurance.

7.1. Prevailing Wages.

This Project is subject to the prevailing wage requirements applicable to the locality in which the Work is to be performed for each craft, classification or type of worker needed to perform the Work, including employer payments for health and welfare, pension, vacation, apprenticeship and similar purposes. The general prevailing wage rates for each craft, classification or type of covered work are available online at http://www.dir.ca.gov/DLSR.

7.2. DIR Registration.

City will not accept a Bid Proposal from or enter into the Contract with a bidder without proof that the bidder and its Subcontractors are registered with the California Department of Industrial Relations to perform public work under Labor Code, Section 1725.5, subject to limited legal exceptions allowed by the Labor Code.

8. Workers' Compensation Certification.

Under Labor Code, Section 1861, by signing this Contract, Contractor certifies as follows: "I am aware of the provisions of Labor Code, Section 3700 which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work on this Contract."

The successful bidder previous to the entering of the contract to do the said work shall take out and maintain in full force and effect worker's compensation insurance with an insurance carrier authorized to transact business in the State of California, covering the bidder's full liability for compensation to any persons employed who may be injured in the carrying out of said contract or the dependents thereof. Evidence of such worker's compensation insurance shall be furnished to the City of Livermore by certificate and waiver of subrogation in the City's electronic insurance certificate tracking system (PINS) prior to the commencement of the work and said certificate shall contain a provision that the coverage thereunder will not be canceled until at least thirty (30) days prior written notice has been given to the City.

9. Notice.

Any notice, billing, or payment required by the Contract Documents must be made in writing, and sent to the other party by personal delivery, U.S. Mail, a reliable overnight delivery service, facsimile, or by email as a PDF (or comparable) file. Notice is deemed effective upon delivery unless otherwise specified. Notice for each party must be given as follows:

	City	Contractor
Name	City of Livermore	McGuire and Hester
Address	1052 South Livermore Avenue	9009 Railroad Avenue
City/state/zip	Livermore, CA 94550	Oakland, CA 94603
Phone	925-960-4500	510-632-7676
Fax		
Attention	City Engineer	Brock Grunt
Email	jhwaxdeck@LivermoreCA.gov	Bgrunt@mcquireandhester.com
Copy to		

10. General Provisions.

The following items are repeated here as stated as part of Part 2, General Conditions, for emphasis:

10.1. Assignment and Successors.

Contractor may not assign its rights or obligations under this Contract, in part or in whole, without City's written consent. This Contract is binding on Contractor's successors and permitted assigns. A consolidation or merger of Contractor or a change in ownership of 25% or more of Contractor's capital stock constitutes an assignment by Contractor requiring the City's written consent.

10.2. Third Party Beneficiaries.

There are no intended third-party beneficiaries to this Contract except as expressly provided in the General Conditions or Special Conditions.

10.3. Governing Law and Venue.

This Contract will be governed by California law and venue will be in the Superior Court of the County in which the Project is located, and no other place.

10.4. Amendment.

No amendment or modification of this Contract will be binding unless it is in a writing duly authorized and signed by the parties to this Contract.

10.5. Integration; Severability.

This Contract and the Contract Documents incorporated herein, including authorized amendments or Change Orders thereto, constitute the final, complete, and exclusive terms of the agreement between City and Contractor. If any provision of the Contract Documents, or portion of a provision, is determined to be illegal, invalid, or unenforceable, the remaining provisions of the Contract Documents will remain in full force and effect.

11. Authorization.

Each individual signing below warrants that he or she is authorized to do so by the party that he or she represents, and that this Contract is legally binding on that party. If Contractor is a corporation, signatures from two officers of the corporation are required under California Corporation Code, Section 313.

The parties agree to this Contract as witnessed by the signatures below:

CITY
City of Livermore, a California Municipal Corporation

s/_____
Marianna Marysheva, City Manager

Date: _____

Approved as to form:

_____
Deputy/Assistant/City Attorney

CONTRACTOR
McGuire and Hester, a California Corporation

s/_____
Brock Grunt, President

Date: 12/30/24

s/_____
~~Randy Somerday, VP of Estimating~~
Louis Roessler, VP/CFO

Date: 12/30/24

_____
Contractor's Calif. License Number(s)
95879
Seal:

11/30/2025
Expiration Date(s)

END OF DOCUMENT

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Alameda)

On 12/30/24 before me, Claudia Ortega, Notary Public
(insert name and title of the officer)

personally appeared Brock Grunt and Louis Roessler,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is/~~are subscribed to the within instrument ~~and~~ and acknowledged to me that ~~he/she/~~they executed the same in ~~his/her/~~their authorized capacity(ies), and that by ~~his/her/~~their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

CLAUDIA ORTEGA
Notary Public - California
Alameda County
Commission # 2462398
My Comm. Expires Oct 3, 2027

Signature _____ **(Seal)**

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 5.3**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Brent Smith, Community Development Director

SUBJECT: Resolution declaring the intention to add Assessor's Parcel Number 904-0010-002-10 (SMP 40 project, located at the southern end of Discovery Drive and Atlantis Court) to the Future Annexation Area for the City of Livermore Community Facilities District No. 2021-1 (Maintenance and Public Services).

RECOMMENDED ACTION

Staff recommends the City Council adopt a resolution declaring the intention to add Assessor Parcel Number 904-0010-002-10 (SMP 40 project, located at the southern end of Discovery Drive and Atlantis Court) to Future Annexation Area for the City of Livermore Community Facilities District No. 2021-1 (Maintenance and Public Services) and authorizing and directing actions related thereto.

SUMMARY

The SMP 40 project, located at the southern end of Discovery Drive and Atlantis Court, was conditioned to annex into the City limits and to participate in a maintenance district to finance the maintenance, operation, and replacement of an on-site trail and other services associated with the project. The developer, Overton Moore, is seeking to fulfill this obligation by requesting inclusion into the Future Annexation Area of CFD 2021-1 following formal annexation to City limits. Formal annexation to the City was approved in August of 2024 and the parcel can now be added to the CFD 2021-1 boundary. Staff recommends the City Council adopt a resolution declaring the intention to add Assessor Parcel Number 904-0010-002-10 to Future Annexation Area for the City of Livermore Community Facilities District No. 2021-1 (Maintenance and Public Services).

DISCUSSION

Development projects with new public trails, landscaping, or water quality and drainage infrastructure are required, through conditions of approval, to provide funding for the long-term maintenance and replacement of this infrastructure. This is typically done by forming a Community Facilities District (CFD). Forming a CFD is a time consuming and costly process requiring City Council approval at two meetings separated by between 30 and 60 days. A more efficient and less costly process is to form a CFD with a future annexation area that includes the entire City. Development projects conditioned to provide

maintenance funding can then annex into the CFD through a simple process with the unanimous consent of the annexing property owners.

Under the Mello-Roos Act, the parcels in the future annexation areas are not subject to the special tax levied in the CFD until they annex into the CFD. Future zones may annex into the CFD if the owners execute a unanimous approval in which they agree to annex their parcel(s) into the CFD, without any further public hearings or proceedings. By establishing a future annexation area for a CFD, the annexation of future zones is streamlined by eliminating the need for multiple City Council meetings for each annexation proceeding.

On July 12, 2021, CFD 2021-01 (Maintenance and Public Services) was formed with a future annexation area that encompassed the entire boundary of the City at that time.

On March 25, 2024, the City Council approved Vesting Tentative Parcel Map 11219 for the SMP 40 parcel located just south of City limits at the end of Atlantis Court and Discovery Drive. The project was conditioned to annex into City limits and participate in a CFD to fund the maintenance of an on-site public trail.

The subject parcel was formally annexed into City limits in August of 2024. The parcel can now be incorporated into the CFD 2021-1 by adjusting the future annexation area of the CFD to include the newly annexed parcel.

PROCEDURE - INTENT TO ADD PARCEL TO FUTURE ANNEXATION AREA

The City's Consultant, NBS, has prepared the adjusted boundary map for the CFD. The law firm of Jones Hall has prepared the legal documents associated with the CFD area addition. Staff has reviewed the proposed Boundary Map and legal documents, pursuant to which the City will levy special tax in the CFD to pay the services described above.

Staff recommends the City Council use the following process to adjust the CFD boundary:

January 27, 2025 - The City Council adopts the resolution declaring intention to add Assessor's Parcel Number 904-0010-002-10 to Community Facilities District No. 2021-1 (Maintenance and Public Services). The Resolution Declaring the Intention will set the date, time, and place of the public hearing, and direct the City Clerk to record the adjusted boundary map for the CFD and the adjusted Future Annexation Area.

Following adoption of the Resolution Declaring the Intention, a Public Hearing Notice will be published in a local newspaper a minimum of 7 days prior to the City Council public hearing on March 10, 2025.

March 10, 2025 - The City Council holds a public hearing and adopts a resolution adding territory to Future Annexation Area of the CFD.

Following the public hearing, the subject parcel that was added to the Future Annexation Area will now be able to annex into CFD 2021-1 without any requirement for further public hearings or additional proceedings if their owners execute a unanimous approval (Unanimous Approval). Under the Mello-Roos Act, this constitutes the vote of the qualified elector in favor of the matters addressed in the Unanimous Approval for purposes of California law.

FISCAL AND ADMINISTRATIVE IMPACTS

The City will administer the CFD on an annual basis and will budget for, and manage, the necessary maintenance, operation, replacement, and administration. All related expenditures will be paid by the CFD.

COMMUNITY PILLAR

2: Economy That Prospers

GOAL

5: Facilitate the development of commercial and industrial projects that provide high-quality local jobs and support a diverse local economy.

ATTACHMENTS

1. Resolution
2. Exhibit A - Proposed Boundaries of Territory Added to Future Annexation Area of CFD 2021-1

Prepared by: Debbie Salgado
Senior Civil Engineer

Approved by:

Marianna Marysheva
City Manager

Fiscal Review by:

Tina Olson
Administrative Services Director

IN THE CITY COUNCIL OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION DECLARING THE INTENTION TO ADD ASSESSOR'S PARCEL NUMBER 904-0010-002-10 TO THE FUTURE ANNEXATION AREA FOR THE CITY OF LIVERMORE COMMUNITY FACILITIES DISTRICT NO. 2021-1 (MAINTENANCE AND PUBLIC SERVICES), AND AUTHORIZING AND DIRECTING ACTIONS RELATED THERETO

The City of Livermore (the "City") is a general law city organized under the Constitution and the laws of the State of California.

Under the Mello-Roos Community Facilities Act of 1982, Chapter 2.5 of Part 1 of Division 2 of Title 5, commencing at Section 53311, of the California Government Code (the "Act"), this Council is authorized to establish a community facilities district and to act as its legislative body.

On May 25, 2021, this Council adopted its Resolution 2021-077, entitled "A Resolution Declaring the Intention to Establish a Community Facilities District, and Authorizing and Directing Actions Related Thereto" (the "Resolution of Intention"), and has conducted proceedings (the "Proceedings") to establish "City of Livermore Community Facilities District No. 2021-1 (Maintenance and Public Services)" (the "CFD") and a future annexation area (the "Future Annexation Area") pursuant to the Act to finance certain municipal services (the "Services) as provided in the Act.

Pursuant to notice as specified in the Act, and as part of the Proceedings, the Council held a public hearing under the Act on July 12, 2021, relative to the determination to proceed with the formation of the CFD and the Future Annexation Area and the rate and method of apportionment of the special tax ("Special Tax") to be levied within the CFD to finance the Services, and at such hearing all persons desiring to be heard on all matters pertaining to the formation of the CFD and the Future Annexation Area and the levy of the Special Tax were heard, substantial evidence was presented and considered by this Council and a full and fair hearing was held.

Upon the conclusion of the hearing on July 12, 2021, this Council adopted its Resolution No. 2021-129, entitled "A Resolution Forming a Community Facilities District and a Future Annexation Area, and Authorizing and Directing Actions Related Thereto" (the "Resolution of Formation), pursuant to which it completed the Proceedings for the establishment of the CFD and the Future Annexation Area, the authorization of the levy of the Special Tax within the CFD and the calling of an election within the CFD on the propositions of levying the Special Tax and establishing an appropriations limit within the CFD, respectively.

On July 12, 2021, a special election was held among the landowner voters within the CFD at which such voters approved such propositions by the two-thirds vote required by the Act, which approval has been confirmed by resolution of this Council.

A parcel identified as Assessor's Parcel Number 904-0010-002-10 (the "Subject Property") has annexed into the City and, pursuant to Section 53339.2 of the Act, this Council desires and hereby determines that it is in the public convenience and necessity to undertake proceedings to provide for future annexation of the Subject Property to the CFD by adding the Subject Property to the Future Annexation Area.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LIVERMORE AS FOLLOWS:

Section 1. Recitals. The City Council hereby finds and determines that the recitals herein are true and correct.

Section 2. Authority. This Council hereby proposes to conduct proceedings to add the Subject Property to the Future Annexation Area.

Section 3. Boundaries Described. The boundaries of the Subject Property and the proposed revised boundaries of the Future Annexation Area are as shown on the map of them attached hereto as Exhibit A. The City Clerk is hereby directed to record, or cause to be recorded, such map in the office of the County Recorder within 15 days of the date of adoption of this Resolution.

Section 4. Services. The type of services proposed to be financed by the CFD and the Future Annexation Area, including the Subject Property, pursuant to the Act shall consist of those listed in Exhibit B to the Resolution of Formation and hereby incorporated herein (the "Services"). The City intends to provide the Services on an equal basis in the original territory of the CFD and, as parcels in the Future Annexation Area (including the Subject Property) are annexed to the CFD, to those annexed parcels.

Section 5. Special Tax. The proposed rate and method of apportionment of the Special Tax among the parcels of real property within the CFD were shown in Exhibit B attached to the Resolution of Formation and are hereby incorporated herein.

As required by Section 53339.3(d) of the Act, the Council hereby determines that the special tax proposed to pay for Services to be supplied within the Future Annexation Area, including the Subject Property, shall be equal to any special tax levied to pay for the same Services in the existing CFD, except that a higher or lower tax may be levied within the Future Annexation Area to the extent that the actual cost of providing the Services in the Future Annexation Area is higher or lower than the cost of providing those Services in the existing CFD. In so finding, the Council does not intend to limit its ability to levy a special tax within the Future Annexation Area to provide new or additional services beyond those supplied within the existing CFD.

Section 6. Unanimous Approval. A special tax shall be levied on a parcel in the Future Annexation Area, including the Subject Property, only with the Unanimous Approval of the owner or owners of such parcel at the time that such parcel is annexed, without any requirement for further public hearings or additional proceedings.

Section 7. Public Hearing. A public hearing on the addition of the Subject Property to the Future Annexation Area shall be held on Monday, March 10, 2025, at 7:00 p.m. or as soon as possible thereafter, in the City Council Chambers, 1016 S. Livermore Avenue, Livermore, California, after which this Council will consider and finally determine whether the public interest, convenience and necessity require the addition of the Subject Property to the Future Annexation Area. Written protests will be accepted until the conclusion of the public hearing.

Section 8. Notice of Hearing. The City Clerk is hereby directed to cause notice of the public hearing to be given by publication one time in a newspaper published in the area of the CFD, the Future Annexation Area and the Subject Property. The publication shall be completed at least 7 days before the date of the public hearing specified above.

The notice of the public hearing shall be substantially in the form specified in Section 53339.4 of the Act, with the form summarizing the provisions hereof hereby specifically approved.

Section 9. Effective Date. This resolution shall take effect upon its adoption by this Council.

On the motion of Council Member _____, seconded by Council Member _____, the foregoing resolution was passed and adopted on January 27, 2025, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

ATTEST:

_____
Deborah L. Elam
City Clerk

APPROVED AS TO FORM:

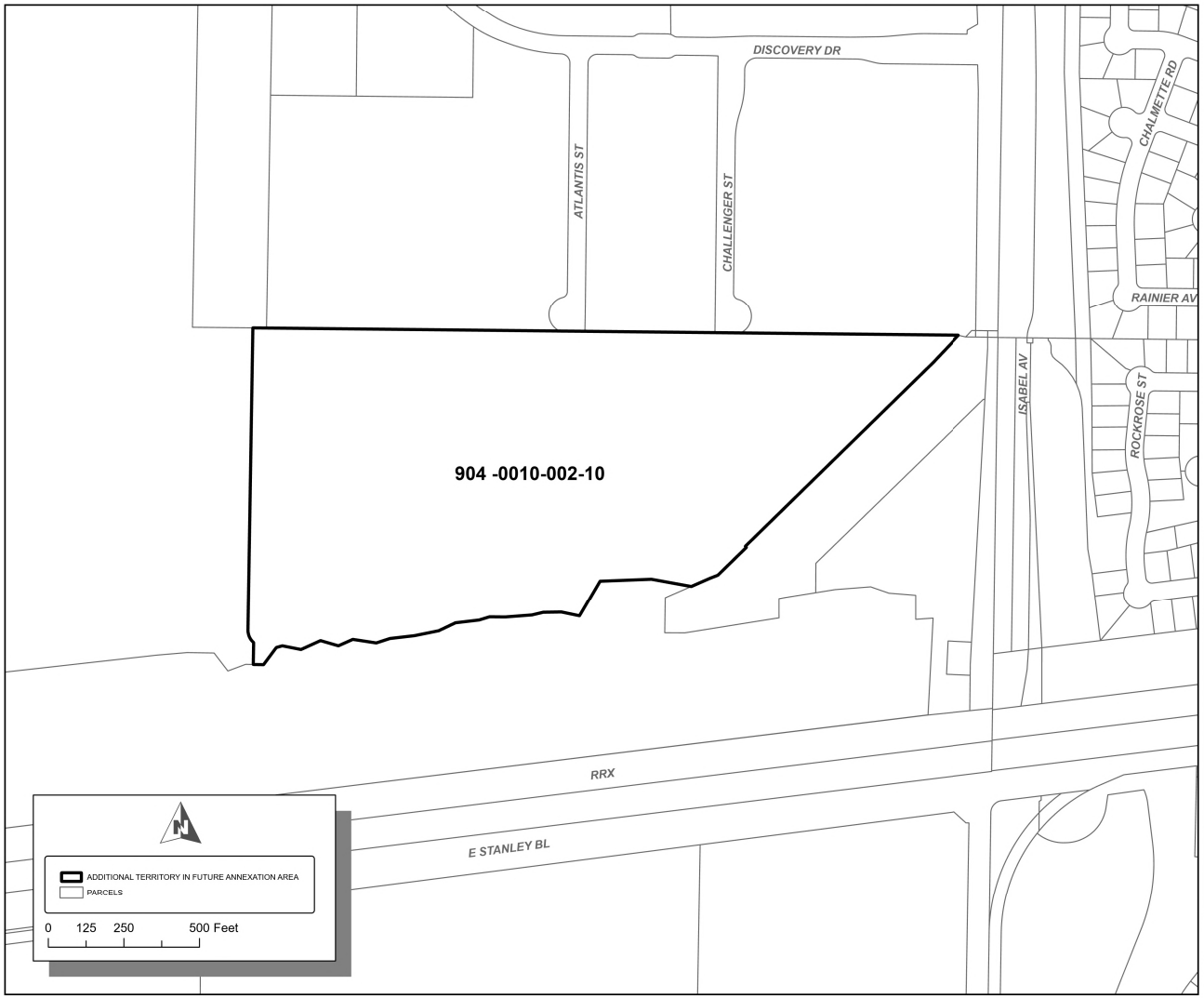
/s/ Molly A. O'Toole
Molly A. O'Toole
Assistant City Attorney

Exhibit A – Proposed Boundaries of Territory Added to Future Annexation Area of CFD No. 2021-1

EXHIBIT A

PROPOSED BOUNDARIES OF TERRITORY ADDED TO FUTURE ANNEXATION AREA OF COMMUNITY FACILITIES DISTRICT NO. 2021-1 (MAINTENANCE AND PUBLIC SERVICES)

CITY OF LIVERMORE
COUNTY OF ALAMEDA
STATE OF CALIFORNIA



FILED IN THE OFFICE OF THE CITY CLERK OF THE CITY OF LIVERMORE THIS _____ DAY OF _____, 20___.

_____
CITY CLERK
CITY OF LIVERMORE
ALAMEDA COUNTY, CALIFORNIA

I HEREBY CERTIFY THAT THE WITHIN MAP OF PROPOSED BOUNDARIES OF TERRITORY ADDED TO FUTURE ANNEXATION AREA OF COMMUNITY FACILITIES DISTRICT NO. 2021-1 (MAINTENANCE AND PUBLIC SERVICES), CITY OF LIVERMORE, COUNTY OF ALAMEDA, STATE OF CALIFORNIA, WAS APPROVED BY THE CITY COUNCIL OF THE CITY OF LIVERMORE, AT A MEETING THEREOF, HELD ON THE _____ DAY OF _____, 20___, BY ITS RESOLUTION NO. _____.

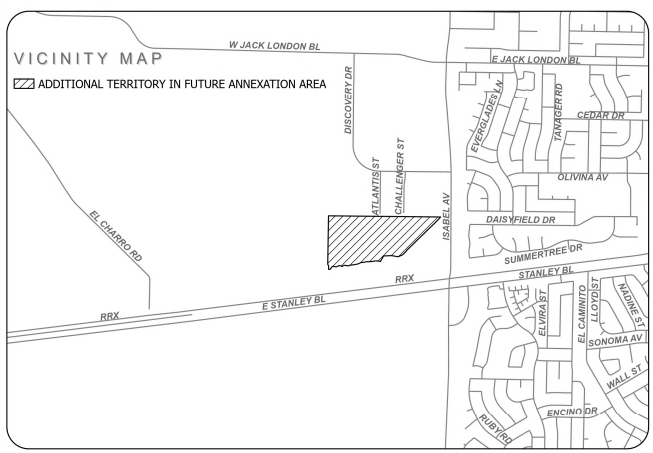
_____
CITY CLERK
CITY OF LIVERMORE
ALAMEDA COUNTY, CALIFORNIA

FILED THIS _____ DAY OF _____, 20___, AT THE HOUR OF _____ O'CLOCK ___M, IN BOOK _____ OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS AT PAGE _____ IN THE OFFICE OF THE COUNTY RECORDER OF THE COUNTY OF ALAMEDA, STATE OF CALIFORNIA.

_____
COUNTY RECORDER
COUNTY OF ALAMEDA, CALIFORNIA

FOR PARTICULARS OF THE LINES AND DIMENSIONS OF ASSESSOR PARCELS, REFERENCE IS MADE TO THE MAPS THE ASSESSOR, COUNTY OF ALAMEDA, STATE OF CALIFORNIA.

REFERENCE IS HEREBY MADE TO THAT CERTAIN MAP ENTITLED "PROPOSED BOUNDARIES OF COMMUNITY FACILITIES DISTRICT NO. 2021-1 (MAINTENANCE AND PUBLIC SERVICES), CITY OF LIVERMORE, COUNTY OF ALAMEDA, STATE OF CALIFORNIA" FILED THE 7TH DAY OF JUNE 2021, IN BOOK 19 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS AT PAGES 20-21 IN THE OFFICE OF THE COUNTY RECORDER FOR THE COUNTY OF ALAMEDA, STATE OF CALIFORNIA, WHICH THIS MAP AFFECTS.



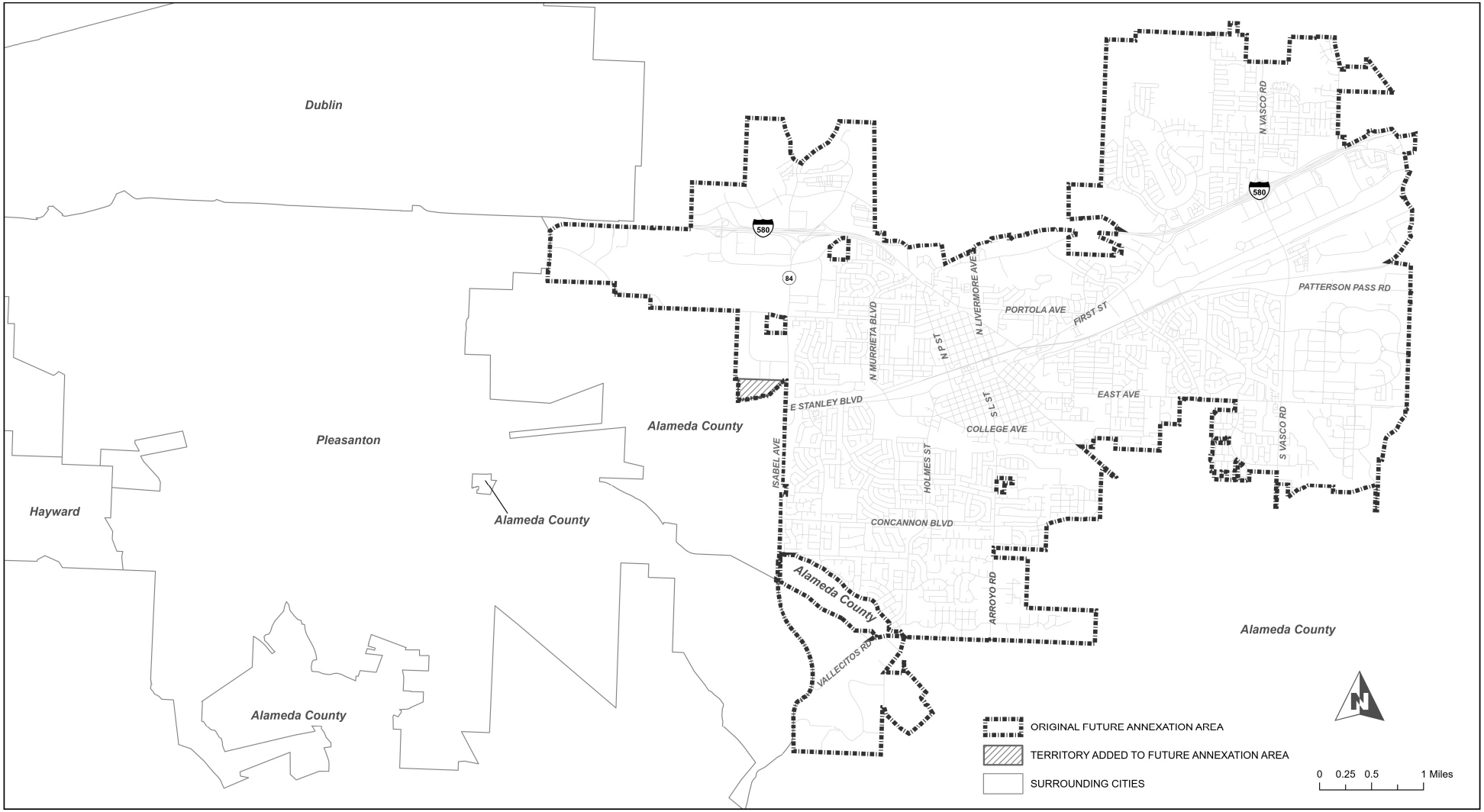
Source: Alameda County GIS
Geographic Coordinate Reference: GCS North American 1983
Projection: NAD 1983 StatePlane California III FIPS 0403 Feet

NBS

EXHIBIT A

PROPOSED BOUNDARIES OF TERRITORY ADDED TO FUTURE ANNEXATION AREA OF COMMUNITY FACILITIES DISTRICT NO. 2021-1 (MAINTENANCE AND PUBLIC SERVICES)

CITY OF LIVERMORE
COUNTY OF ALAMEDA
STATE OF CALIFORNIA



LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT ITEM NO. 5.4

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Judy Erlandson, Acting Public Works Director

SUBJECT: Resolution authorizing the execution of a third amendment to the Agreement with Lawrence Livermore National Security, LLC for landscape maintenance services to extend the term through January 31, 2030.

RECOMMENDED ACTION

Staff recommends City Council adopt a resolution authorizing the City Manager to execute a third amendment to the Agreement with Lawrence Livermore National Security, LLC (LLNS) for the City to provide landscape maintenance services on the Lawrence Livermore National Laboratory (LLNL) frontage to extend the term through January 31, 2030.

SUMMARY

LLNS is contracted by the U.S. Department of Energy, National Nuclear Security Administration (DOE/NNSA) to manage and operate LLNL. On July 14, 2014, the DOE/NNSA and City of Livermore entered into an agreement for the City to provide landscape maintenance along Vasco Road on the LLNL frontage for a term of five years with optional extensions of two additional three-year terms. The term of the original agreement after the two three-year extensions will expire on January 31, 2025. Staff recommends City Council authorize the City Manager to execute a third amendment so the City may continue to provide the same services to LLNS for five more years.

DISCUSSION

Since 1992, LLNL and the City have maintained an agreement for the City to provide landscape maintenance of the landscaping on the east side of Vasco Road adjacent to LLNL in the area shown in Exhibit A. Under the scope of the current agreement, staff maintains the landscaping on the LLNL frontage area on the east side of Vasco Road and maintains the public landscaping on the western side of Vasco Road to ensure consistency with the City's landscaping standards. Moreover, it is convenient for LLNS to contract with the City to maintain the LLNL frontage landscaping. The work will be completed both by City staff and by the City's contractor.

FISCAL AND ADMINISTRATIVE IMPACTS

Staff anticipates the cost of providing this service will be approximately $52,000 per year which will continue to be fully reimbursed by LLNS.

COMMUNITY PILLARS

4: Inclusive and Inviting Spaces and Places
5: A City That Works

GOALS

7: Work with local and county partners on physical infrastructure improvements
14: Develop and maintain the City's infrastructure, facilities, and property

ATTACHMENTS

1. Resolution
2. Exhibit A - Third Amendment

Prepared by: Marisa Gan
Acting Public Works Manager

Approved by:

Marianna Marysheva
City Manager

Fiscal Review by:

Tina Olson
Administrative Services Director

IN THE CITY COUNCIL OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION AUTHORIZING THE EXECUTION OF A THIRD AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT WITH LAWRENCE LIVERMORE NATIONAL SECURITY, LLC FOR LANDSCAPE MAINTENANCE SERVICES TO EXTEND THE TERM THROUGH JANUARY 31, 2030

On July 14, 2014, the City Council adopted Resolution No. 2014-095 authorizing the City Manager to execute an agreement with Lawrence Livermore National Security, LLC ("LLNS") for landscape maintenance services to be performed by the City of Livermore or its contractors, on behalf of LLNS, on Vasco Road along the Lawrence Livermore National Laboratory frontage. The term of the agreement was five years, which could be extended for two additional three-year periods upon mutual agreement of the parties. The City receives reimbursements for its services from LLNS.

On January 28, 2019, LLNS and the City entered into a first amendment to the landscape maintenance services contract to, among other things, extend the term of the agreement for the first of two, three-year extensions.

On January 21, 2022, LLNS and the City entered into a second amendment to the contract to utilize the second, three-year extension. The term of agreement now expires on January 31, 2025.

The City and LLNS desire to enter into a third amendment to the landscape services agreement to extend the term for an additional five-year period and to update the City's billing rates for the services. Executing this amendment will permit the City to continue to provide landscape services along the Lawerence Livermore National Laboratory frontage, ensuring consistent landscaping in the area.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Livermore that it:

1. Authorizes the City Manager, or her designee, to execute a third amendment to the agreement with Lawrence Livermore National Security, LLC, attached hereto as Exhibit A, for landscape maintenance services to extend the term through January 31, 2030 and update the City's billing rates.

2. Authorizes the City Manager, or her designee, to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution, including approving minor changes to the proposed agreement.

On motion of Council Member _____, seconded by Council Member _____, the foregoing resolution was passed and adopted on January 27, 2025, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAIN: COUNCIL MEMBERS:

ATTEST:

_____
Deborah L. Elam
City Clerk

APPROVED AS TO FORM:

/s/ Molly A. O'Toole
Molly A. O' Toole
Assistant City Attorney

Exhibit A – Third Amendment to Professional Services Agreement with Lawrence Livermore National Security, LLC

Docusign Envelope ID: E941A2BA-3E39-445D-9767-31EF74BC55B7

Amendment No. 3

THIS Amendment No. 3 to the PROFESSIONAL SERVICES AGREEMENT is made and entered into by and between LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, a Delaware limited liability company ("LLNS"), and the City of Livermore, a municipal corporation of the State of California ("CONTRACTOR").

RECITALS

In or around July 2014, LLNS and CONTRACTOR entered into an agreement for CONTRACTOR to perform landscape maintenance services on Vasco Road along the Lawrence Livermore National Laboratory frontage ("PROFESSIONAL SERVICES AGREEMENT"). Section 12 of the Original Agreement requires that any modifications to it must be in writing and signed by the parties.

On January 28, 2019, LLNS and CONTRACTOR entered into a First Amendment to the Original Agreement to extend the term for the first of two, three-year extensions and amend the address for notices ("Amendment No. 1"). On January 21, 2022, LLNS and CONTRACTOR entered into a Second Amendment to extend the term for the second of two, three-year extensions ("Amendment No. 2"). The term now expires on January 31, 2025. This Amendment No. 3 together with Amendment No. 1, Amendment No. 2, and the PROFESSIONAL SERVICES AGREEMENT, shall be collectively referred to as the "Agreement."

LLNS and CONTRACTOR desire to extend the agreement for an additional five-year period, pursuant to the parties' ability under Section 12 of the Agreement to amend the Agreement. The parties also desire to update billing rates for services by replacing Exhibit "B" with "Revised Exhibit B." This is Amendment No. 3 to the PROFESSIONAL SERVICES AGREEMENT.

AGREEMENT

NOW, THEREFORE, LLNS and CONTRACTOR agree that the aforementioned recitals are true and correct and further agree as follows:

1. Section 6.1 is amended and restated to read as follows:

   "6.1 The term of this Agreement shall expire on January 31, 2030."

2. Section 5.4 shall be amended and restated to read as follows:

   "5.4 Commencing January 1, 2025, and on each January 1st thereafter, CONTRACTOR shall review and adjust the billing rates set forth in "Revised Exhibit B". In no event shall an adjustment result in a rate increase of more than the amount of the percentage increase in the Consumer Price Index (CPI)

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for all urban consumers in the San Francisco - Oakland - San Jose, California area from the prior calendar year's CPI rate. The adjustment rates shall be effective beginning July 1st of the year in which they are adjusted by the CONTRACTOR."

3. All references in the PROFESSIONAL SERVICES AGREEMENT to Exhibit "B" shall be replaced with "Revised Exhibit B".

4. These amendments are prospective and only apply to the services rendered by CONTRACTOR after the execution of this Amendment. Unless otherwise stated herein, this Amendment does not relieve the parties of the terms and conditions of the PROFESSIONAL SERVICES AGREEMENT as written and in effect at the time the services were rendered.

5. All other terms and conditions of the Agreement remain unchanged. Except as amended above, the PROFESSIONAL SERVICES AGREEMENT remains in full force and effect.

****

Signatures and Attachment List on the Next Page

Docusign Envelope ID: E941A2BA-3E39-445D-9767-31EF74BC55B7

LAWRENCE LIVERMORE NATIONAL SECURITY, LLC
PROFESSIONAL SERVICES AGREEMENT
LANDSCAPE MAINTENANCE

(City of Livermore Res. No. 2014-095)

For Lawrence Livermore National Security, LLC:

By: Signed by: Martin A. Martino 39FB76414BFF4D6... Date: 1/8/2025 | 4:38 PM PST

Martin A. Martino, JD
Real Property Administrator

For the City of Livermore:

By: _____ Date: _____

Marianna Marysheva
City Manager

APPROVED AS TO FORM:

Signed by: Molly O'Toole A006EFED3B6A4A5...

Deputy/Assistant/City Attorney

APPROVED AS TO INSURANCE

DocuSigned by: Jas Sidhu A5F7D34BB6A748A...

Attachments:

Exhibit B - Revised Exhibit B

Docusign Envelope ID: E941A2BA-3E39-445D-9767-31EF74BC55B7

LAWRENCE LIVERMORE NATIONAL SECURITY, LLC
PROFESSIONAL SERVICES AGREEMENT
LANDSCAPE MAINTENANCE

REVISED EXHIBIT B
ANNUAL COST AND FEE SCHEDULE
REVISED RATES TAKE EFFECT ON JULY 1, 2024

CONTRACTOR shall be reimbursed for landscape maintenance costs in accordance with the following estimates:

City Staff
$113.04 per hour (regular rate)
11 hours per month x 12 months per year= 132 hours per year
132 hours per year x $113.04 per hour= $14,921.28 per year

Maintenance Materials and Supplies
$2,000.00 per year

Maintenance and Operations of Vehicles and Equipment
$2,000.00 per year

Subcontractor
$2,742.73 per month
12 months per year x $2,742.73 per month= $32,912.75 per year

Total Annual Estimate

$14,921.28	City Staff
+ $2,000.00	Maintenance Materials and Supplies
+ $2,000.00	Maintenance and Operations of Vehicles and Equipment
+$32,912.75	Subcontractor
$51,834.03	**Total Annual Estimate**

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 5.5**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Judy Erlandson, Acting Public Works Director

SUBJECT: Resolution awarding and authorizing the execution of an agreement with HQ Construction Co. Inc. to perform on-call special project general contracting in an amount not-to-exceed $1,600,000 for a five-year term ending January 31, 2030.

RECOMMENDED ACTION

Staff recommends the City Council adopt a resolution awarding and authorizing execution of an agreement with HQ Construction Co. Inc. (HQ) for special project general contracting at various City facilities in an amount not-to-exceed $1,600,000 for a five-year term ending January 31, 2030.

SUMMARY

The Public Works Department's Maintenance Division requires on-call special project general contracting services including moving services, facility setup for meetings and special events, and specific maintenance tasks. After a public procurement process, staff have completed review of the two proposals received and recommends the award of a contract to HQ Construction Co. as the best value.

DISCUSSION

The City of Livermore published a Request for Bids (RFB) (#24-362497) on September 23, 2024, to seek on-call special project general contracting services. Staff utilized a multi-step process in determining which bid represented the best value as defined by Livermore Municipal Code (LMC) 2.68.330. Two bids were received and responsive.

Bidder	Standard Working Hours		Overtime Working Hours		Material Markup
	A Services	B Services	A Services	B Services	
Anderson	$190.00	$245.00	$270.00	$367.50	20%
HQ	$92.00	$92.00	$138.00	$138.00	15%

Staff recommends that the City Council award an agreement to HQ as the best value and reject all other

bids. HQ provided the lowest bid and has provided reliable and quality services to the City for more than 13 years. Staff expects HQ's high level of service will continue with the execution of this agreement.

FISCAL AND ADMINISTRATIVE IMPACTS

Funding for these services is currently allocated in the City's annual operating budget for FY 2024-25 in Organization Code 740, Facilities Rehabilitation Program. Staff will include additional proposed appropriations in the FY 2025-27 budget and beyond.

COMMUNITY PILLAR

5: A City That Works

GOAL

14: Develop and maintain the City’s infrastructure, facilities, and property

ATTACHMENTS

1. Resolution
2. Exhibit A - Agreement

Prepared by: Marisa Gan
Acting Public Works Manager

Approved by:

Marianna Marysheva
City Manager

Fiscal Review by:

Tina Olson
Administrative Services Director

IN THE CITY COUNCIL OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION AWARDING AND AUTHORIZING EXECUTION OF AN AGREEMENT TO/WITH HQ CONSTRUCTION CO, INC. FOR ON-CALL SPECIAL PROJECT GENERAL CONTRACTING SERVICES IN AN AMOUNT NOT TO EXCEED $1,600,000 FOR A FIVE-YEAR TERM

The City of Livermore Public Works Department Maintenance Division requires on-call special project general contracting services, which include, without limitation, moving services, pressure washing, seismic stabilization of furniture, special event set up, and certain installation, repair, and maintenance services.

The City advertised and received two bids for on-call special project general contracting services, Request for Bid No. 24-362497. Pursuant to Livermore Municipal Code section 2.68.330, City staff reviewed the bids and determined that HQ Construction Co, Inc. is the best value bidder based on the cost, the quality of service provided to the City under previous contracts, and the ability, capacity and skill of the contractor to provide reliable and quality services to the City.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Livermore that it:

1. Awards to HQ Construction Co, Inc. the agreement, attached hereto as Exhibit A, for on-call special project general contracting services, in an amount not-to-exceed $1,600,000 for a five-year term.

2. Authorizes the City Manager, or her designee, to execute an agreement with HQ Construction Co, Inc., attached hereto as Exhibit A, for on-call special project general contracting services, in an amount not-to-exceed $1,600,000 for a five-year term.

3. Authorizes the City Manager, or her designee, to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution, including approving minor changes to the proposed agreement.

On motion of Council Member _____, seconded by Council Member _____, the foregoing resolution was passed and adopted on January 27, 2025, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAIN: COUNCIL MEMBERS:

ATTEST:

_____
Deborah L. Elam
City Clerk

APPROVED AS TO FORM:

/s/ Molly A. O'Toole
Molly A. O' Toole
Assistant City Attorney

Exhibit A – Agreement with HQ Construction Co, Inc.

Docusign Envelope ID: 5B759250-CA1A-4E23-83B1-7CF7F46BD5E9

AGREEMENT FOR SERVICES

THIS AGREEMENT is made and entered into this day of , 20___, by and between the City of Livermore ("City"), a municipal corporation, and HQ Construction Co, Inc. ("Contractor"), a California corporation.

RECITALS

City requires services to provide on-call special project general contracting services at various City facilities.

Contractor warrants it possesses the distinct skills, qualifications, experience, and resources necessary to timely perform the services described in this Agreement. Contractor acknowledges City has relied upon these warranties to retain Contractor.

AGREEMENT

NOW, THEREFORE, City and Contractor hereby agree that the aforementioned recitals are true and correct and further agree as follows:

1. Retention as Contractor. City hereby retains Contractor, and Contractor hereby accepts such engagement, to perform the services described in Section 3 below subject to the terms and conditions in this Agreement.

2. Relationship of Parties – Independent Contractors. The relationship of the parties shall be that of independent contractors. Contractor and its employees are not City officers or employees. Contractor is responsible for the supervision and management of its employees, including any workers compensation insurance, withholding taxes, unemployment insurance, and any other employer obligations associated with the delivery of the services contemplated by this Agreement.

3. Description of Services. Contractor shall provide on-call special project general contracting services at various City facilities as more particularly set forth in Exhibit "A" (collectively "the Services").

4. Contractor's Responsibilities. Contractor shall:

(a) Diligently perform the Services in a manner commensurate with industry, professional, and community standards;

(b) Provide the resources necessary to complete the Services in a timely manner;

(c) Obtain a business license from the City of Livermore, and keep it in effect for the term of this Agreement;

(d) Obtain and keep in effect all necessary licenses, permits, qualifications, insurance, and approvals legally and professionally required for Contractor to practice its profession and to provide the Services;

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(e) Comply with all laws in effect that are related to Contractor and the Services;

(f) Coordinate the Services with Jason Calkins - Public Works Supervisor-Facilities ("Project Manager"), or such other person designated as the Project Manager by City;

(g) Be available to the Project Manager, and other parties referred to Contractor by the Project Manager, to answer questions or inquiries related to the Services;

(h) Only invoice City for the Services rendered. Contractor's invoice shall be in writing and describe the Services performed for the payment requested. Contractor shall not submit an invoice to City more frequently than once a calendar month;

(i) Keep and maintain invoices and records related to the Services in an organized manner. At a minimum, the records must be kept for at least 3 years from the date of final payment to Contractor and must include time sheets, work progress reports, and other documentation to adequately explain all the Services invoiced for payment. Contractor shall make the invoices and records immediately available to City upon delivery of a written request to examine, audit, or copy them at City's place of business during normal business hours. Contractor shall give City 30 calendar-days' written notice prior to destroying the invoices and records and allow City an opportunity to take possession. If City wants them, Contractor and City shall coordinate their delivery to City in the most efficient manner possible;

(j) Prepare and submit a written report to the Project Manager, within 3 business-days of the Project Manager's written request, that identifies the Services completed and in progress, the charges incurred to date, and the anticipated cost to complete the remaining Services;

(k) Contractor shall correct, at its own expense, all errors in the Services. Should Contractor fail to make such correction in a timely manner, City may make the correction and charge the cost thereof to Contractor;

(l) If applicable, Contractor shall ensure that all work for compensation is taken in compliance with the requirements of the California Labor Code including but not limited to hours of labor, nondiscrimination, payroll records, apprentices, worker's compensation and prevailing wages. If applicable, Contractor shall comply with all prevailing wage laws, such as sections 1773, 1773.8, 1775, 1776, 1777.5, 1777.6, and 1813 of the California Labor Code and any other applicable wage and hour law. If any violation of prevailing wage law associated with this Agreement is deemed to have occurred by any court or administrative authority, Contractor shall forfeit to the City, as a penalty, the sum of fifty dollars ($50.00) for each calendar day, or portion thereof, for each laborer, worker, or mechanic employed, paid less than the applicable prevailing rates for any work done to accomplish the purposes of this Agreement; and,

(m) Contractor's services provided pursuant to this Agreement shall comply with the Americans with Disabilities Act (ADA) of 1990, and all amendments thereto, as well as applicable regulations and guidelines issued pursuant to the ADA.

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5. Compensation and Payment.

(a) The total compensation payable by City to Contractor for the Services **SHALL NOT EXCEED** the sum of $1,600,000 ("not-to-exceed amount"). City shall compensate Contractor for the Services rendered at the hourly rates or task amounts set forth in Exhibit "A" up to the not-to-exceed amount. Except as provided in the body of this Agreement, the hourly rates or task amounts are intended to be Contractor's only compensation for the Services and is inclusive of all costs of labor, licensing, permitting, travel expenses, overhead and administrative costs, and any-and-all other costs, expenses, and charges incurred by Contractor, its agents, and employees to provide the Services.

(b) City shall pay Contractor no later than 30 days after City receives a written invoice from Contractor and verifies the Services were performed for the payment requested.

6. Term. The term of this Agreement commences on February 1, 2025, and terminates upon the completion of the Services or January 31, 2030, whichever occurs first.

7. Termination by City. City may terminate any portion or all of the Services by giving Contractor at least 30 calendar-days written notice. Upon receipt of a termination notice, Contractor shall immediately stop all work in progress on the Services except where necessary to preserve the benefit of the work, and assemble the work on the Services for delivery to City on the termination date. All compensation for Services performed prior to the termination date shall be payable to Contractor in accordance with Section 5.

8. Ownership of Documents. All drawings, designs, data, photographs, reports and other items prepared or obtained by Contractor in the performance of the Services are City's property and Contractor shall deliver them to City upon demand.

9. Copyright and Right of Use. All items created by Contractor for City under this Agreement are works made for hire, and Contractor shall give City the copyright and all intellectual property rights to all items developed, prepared, and delivered as part of the Services. Contractor agrees that all aspects of the Services and items created thereby will be original works of creation and will not use, in whole or in part, any work created by any other party, except when expressly disclosed by Contractor to City and Contractor obtains a license to such items for the benefit of City. All licenses must be perpetual, world-wide, non-exclusive, and royalty free sufficient in scope to permit City's full use and enjoyment of its ownership rights in the items created by the Services.

10. Confidentiality. Contractor shall not disclose any confidential or proprietary information received from City to anyone except Contractor's employees who require access to the information to perform the Services. This obligation shall survive termination and remain in full force and effect until the information, and any copies thereof, are destroyed or returned to City.

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11. Defense, Indemnity, and Hold Harmless. To the fullest extent permitted by law, Contractor shall hold harmless, indemnify, and defend with counsel selected by the City or otherwise acceptable to the City, the City and its elected and appointed officials, officers, directors, employees, agents and designated volunteers from and against any and all liability, loss, damage, claims, expenses, and costs (including without limitation, attorney's fees and costs and fees of litigation) (collectively, "Liability") of every nature arising out of or in connection with Contractor's performance of the services contemplated by this Agreement, or in connection with Contractor's failure to comply with any of its obligations contained in this Agreement, except for such Liability caused by the sole active negligence or willful misconduct of City. Contractor's obligations to hold harmless, indemnify, and defend shall not be excused because of Contractor's inability to evaluate Liability or because Contractor evaluates Liability and determines that Contractor is not liable to the claimant. These obligations are independent of, and shall not in any way be limited by, the minimum insurance obligations contained in this Agreement. These obligations shall survive the completion or termination of this Agreement. Contractor must respond within 30 days to the tender of any claim for defense and indemnity by the City.

(a) Modification for Construction Contracts. To the extent this Agreement is a "construction contract" covered by California Civil Code section 2782, then Contractor's duty to indemnify shall not apply in a manner prohibited by California Civil Code section 2782.

(b) Modification for Design Professional Services. To the extent this Agreement is for "design professional services" defined in California Civil Code section 2782.8, then Contractor's duties to defend and indemnify shall only apply to the extent provided for in California Civil Code section 2782.8(a), unless section 2782.8(a) is not applicable for one of the reasons set forth in 2782.8(e).

12. Insurance. Contractor shall procure and maintain insurance during the term of this Agreement in the amounts and under the terms set forth in Exhibit "B" against claims that may arise from or in connection with this Agreement and performance of the Services. Upon reasonable written notice, Contractor shall comply with any changes in the amounts and terms of insurance as may be required from time-to-time by City's Risk Manager.

13. Acceptance of Final Payment. Contractor's acceptance of final payment will release City from any and all claims and liabilities for compensation under this Agreement.

14. Acceptance of Work. City's acceptance of, or payment to Contractor for, the Services does not release Contractor from its responsibility for the accuracy, completeness, or competency of the Services, nor do the actions constitute an assumption of Contractor's responsibility or liability by City for any defect or error in the Services.

15. Conflict of Interest. Contractor represents that no City employee or official has a financial interest in Contractor. Contractor shall not offer, encourage, or accept any financial interest in any part of Contractor's business by or from a City employee or official during the term of this Agreement or as a result of being awarded this Agreement. If any

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of the Services are paid by reimbursement from an agreement between City and a private party, Contractor represents that it has not performed any work for that private party during the 12-month period prior to the execution of this Agreement, and that it shall not negotiate, offer or accept any contract for services from that party during the term of this Agreement.

16. Economic Disclosure. Contractor shall comply with City's local conflict of interest code and the Political Reform Act, and prepare and file an economic disclosure statement if the Services involve making, or participation in making, decisions which may have a material effect on the Contractors' financial interest. While it is Contractor's sole responsibility to evaluate its conflicts of interest, the Contractor nevertheless agrees to prepare and file an economic disclosure statement if requested by City.

17. Non-Exclusive Agreement. This is a non-exclusive agreement. City reserves the right to provide, and to retain other Contractors to provide, services that are the same or similar to the Services described in this Agreement.

18. No Assignment. Contractor shall not assign or subcontract any of the Services without City's prior written consent. For the purposes of this section, a change of fifty percent or more in the ownership or control of Contractor constitutes an assignment.

19. Remedies. All remedies permitted or available under this Agreement, or at law or in equity, are cumulative and alternative, and the invocation of a right or remedy will not be construed to waive or elect a remedy with respect to any other available right or remedy. As a condition precedent to commencing legal action involving a claim or dispute against City arising from this Agreement, the Contractor must present a written claim to City in accordance with Chapter 3.42 of the Livermore Municipal Code.

20. Construction of Language. The terms and conditions in this Agreement have been arrived at through negotiation and each party had a full and fair opportunity to review and revise this Agreement with legal counsel. Any ambiguity in this Agreement will not be resolved against either party as the drafting party. In the event of an inconsistency or conflict between the language in the body of the Agreement and an attachment hereto, the language in the body of the Agreement controls.

21. Entire Agreement; Modification. This Agreement supersedes all other agreements, whether oral or written, between the parties with respect to the Services. Any modification to this Agreement must be in writing and signed by both parties. In the event the original of this Agreement is lost or destroyed, an archival copy maintained by City can be used in place of the original for all purposes with the same effect as if it was the original.

22. Notice. Notices under this Agreement must be delivered to the addresses below by deposit in the United States mail or by overnight delivery service, with postage prepaid and delivery confirmation:

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TO CITY: Attention: Jason Calkins
City of Livermore
3500 Robertson Park Road
Livermore, California 94550

TO CONTRACTOR: Attention: Richard Hoffmann
HQ Construction Co. Inc.
4435 First Street, #456
Livermore, CA 94551

23. Waiver. Failure to insist upon the strict performance of any term or conditions in this Agreement, no matter how long the failure continues, is not a waiver of the term or condition and does not bar the right to subsequently demand strict performance. To be effective, a waiver must be in writing and signed by the non-breaching party.

24. Severability. If a court of competent jurisdiction determines a provision in this Agreement is invalid, void, or unenforceable, the remaining provisions will nevertheless continue in full force and effect without being impaired in any way.

25. Survival. The terms, conditions, and obligations in Sections 8, 9, 10, and 11 shall survive the completion or termination of this Agreement.

26. Electronic Signatures. By signing this document, you are agreeing that you have reviewed this disclosure information and consent to transact business using electronic communications, to receive notices and disclosures electronically, and to utilize electronic signatures in lieu of using paper documents. You are not required to receive notices and disclosures or sign documents electronically. If you prefer not to do so, you may request to receive paper copies and withdraw your consent at any time.

27. Counterparts. This Agreement may be executed and delivered in one or more counterparts, each of which will be deemed to be an original copy of this Agreement, and all of which, when taken together, will be deemed to constitute one and the same agreement. The facsimile, email, or other electronically delivered signatures of the Parties shall be deemed to constitute original signatures, and facsimile or electronic copies hereof shall be deemed to constitute duplicate originals and shall be valid and effective for all purposes.

****

Signatures and Attachment List on the Next Page

EXHIBIT A

In concurrence and witness whereof, and in recognition of the mutual consideration provided therefore, the parties have executed this Agreement, effective on the date first written above.

CONTRACTOR: **Dated:**

Signed by:
Richard Hoffmann
0547D23401285AD2...

1/6/2025 | 8:37 AM PST

By: Richard Hoffmann
Title: Owner

CITY OF LIVERMORE: **Dated:**

Marianna Marysheva
City Manager

APPROVED AS TO FORM:

Signed by:
Molly O'Toole
A006EFED3B6E4A5...

Deputy/Assistant/City Attorney

APPROVED AS TO INSURANCE:

DocuSigned by:
Jas Sidhu
A5E7D34BB6A748A...

Risk Manager/Analyst

Attachments:

Exhibit A – Scope of Work
Exhibit B – Insurance Requirements
Exhibit C - DIR Compliance Certification

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Exhibit A
Scope of Work/Pricing Sheet

Types of Services

HQ Construction Co. Inc., ("Contractor") shall provide all labor, materials, equipment, and supplies to perform the following services:

Group A Services:

- Relocation of furniture
- Relocation of boxes
- Relocation of miscellaneous items
- Hanging of pictures, dry erase boards, bulletin boards and similar items on walls
- Pressure washing
- Seismic stabilization of furniture and related items
- Special event set up (chairs, tables, etc.)
- Vandalism clean up
- Other similar services as determined by the City

Group B Services:

Installation, repair and maintenance of:

- Carpentry
- Cabinetry
- Countertops
- Flooring, various materials
- Americans with Disabilities Act-required improvements (such as grab bars, rails, ramps, pipe wrap, etc.)
- Appliances (such as dishwashers, ovens, water heaters, etc.)
- Electrical (conduit, wiring, fixtures, outlets, etc.)
- Cabling (ethernet, coaxial, etc.)
- Concrete/Masonry (interior and exterior)
- Drywall (patching holes, filling small holes, etc.)
- Doors and Windows, including trim and frames
- Window Coverings (awnings, screens, etc.)
- Wall and Ceiling Mounts (for projectors, televisions, electronics, etc.)
- Painting
- Plumbing (valves, fixtures such as faucets, toilets, urinals, etc.)
- Stucco repair
- Other similar services as determined by the City

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Conditions of Work

1. This agreement does not obligate the City to any particular amount of work to be completed by Contractor.
2. All employees of Contractor shall wear uniforms clearly identifying them as employees of Contractor at all times while on City premises for the purpose of completing work.
3. All employees of Contractor assigned to perform services in the Police Department must submit to and pass a Livescan fingerprinting and background check.
4. Contractor shall provide City with a written record of all work performed on a per job basis detailing what work was performed, what materials were used, the presence of any deficient conditions, and any measures recommended to address the deficient conditions.
5. City reserves the right to halt work at any time for noncompliance with this agreement, or unsafe work conditions or practices.
6. Contractor shall keep worksites reasonably clear of debris and protect the safety of the public and City employees at all times. Contractor shall promptly remove all materials and spoils from each job site upon completion of the work.
7. All debris or spoils generated by the work of Contractor shall be properly disposed of by Contractor.
8. Contractor shall respond to work requests by the City within 24 hours.
9. Work may be required at any City-owned or operated facility within the City of Livermore.
10. Contractor shall warranty all work for a minimum of ninety days after the completion of the work. Any work required to remedy problems with installation or materials shall be at the sole cost of the Contractor within this ninety-day period.
11. Standard working hours are defined as Monday through Friday from 7:00 AM to 5:00 PM. All other hours are considered overtime.

Compensation

1. Contractor shall be compensated for group A services during standard working hours at the rate of **$92** per person per hour.
2. Contractor shall be compensated for group A services during overtime hours at the rate of **$138** per person per hour.
3. Contractor shall be compensated for group B services during standard working hours at the rate of **$92** per person per hour.
4. Contractor shall be compensated for group B services during overtime hours at the rate of **$138** per person per hour.
5. City shall compensate Contractor for the documented cost of all reasonable materials used to perform the scope of work plus **15%**.

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6. City shall compensate Contractor for rental equipment only where City approves the use of rental equipment prior to its use. Rental equipment shall be compensated at the documented cost plus **15%**.
7. Starting on February 1, 2027, the hourly rates specified above may be increased once every twelve months, provided that the monthly rates are not increased by more than the percentage increase in the Consumer Price Index for all Urban Consumers ("CPI-U") in the San Francisco-Oakland-Hayward, California area from the prior calendar year's CPI-U rate in December.
8. City shall only compensate Contractor for labor during overtime hours when overtime is approved by City in advance.
9. City shall not compensate Contractor for travel time, parts procurement time, or debris disposal time.
10. Contractor shall be compensated for time on the premises while actively pursuing the execution of the work.
11. Upon request of the City, contractor shall submit legible, written receipts for all materials for reimbursement.
12. City will not compensate Contractor for work done in advance of City approval.
13. City shall not compensate Contractor for any purchase of equipment or tools, or inappropriate items for the scope of work.
14. At City's request Contractor must provide receipts or invoices for all parts/materials used in the services to verify parts/materials pricing.
15. Contractor shall deliver all invoices via email to maintenance-request@livermoreca.gov.

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EXHIBIT B

INSURANCE REQUIREMENTS

Minimum Scope and Limits of Insurance

Consultant/Contractor shall maintain limits no less than:

1. Commercial General Liability, including operations, products and completed operations, as applicable:
   $1,000,000/$2,000,000 aggregate per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability or other form of insurance with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability:
   $1,000,000 per accident for bodily injury and property damage.
3. Workers' Compensation and Employer's Liability:
   Statutory limits as required by the State of California including **$1,000,000** Employers' Liability per accident, per employee for bodily injury or disease. A waiver of subrogation is required for Workers' Compensation insurance. If Consultant/Contractor is a sole proprietor, then they must sign "Contractor Release of Liability".

Deductibles and Self-Insured Retention

All self-insured retentions (SIR) must be disclosed to Risk Management for approval and shall not reduce the limits of liability. Policies containing any self-insured retention (SIR) provision shall provide, or be endorsed to provide, that the SIR may be satisfied by either the named insured or the City of Livermore. The City of Livermore reserves the right to obtain a full certified copy of any insurance policy and endorsements. Failure to exercise this right shall not constitute a waiver of right to exercise later.

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best rating of no less than A: VII and accepted to do business in the State of California, unless otherwise acceptable to the City of Livermore.

Other Insurance Provisions

The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. The City of Livermore, its officers, officials, employees, and designated volunteers are to be covered as additional insureds as respects: liability arising out of activities performed by or on behalf of the Consultant/Contractor; or automobiles owned, leased, hired or borrowed by the Consultant/Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the City of Livermore, its officers, officials, employees, or volunteers.
2. The limits of insurance required in this agreement may be satisfied by a combination of primary and umbrella or excess insurance. The additional

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insured coverage under the Consultant's/Contractor's policy shall be primary and non-contributory and will not seek contribution from the City's insurance or self-insurance and shall be at least as broad as ISO Form CG 20 10 04 13. Any umbrella or excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and non-contributory basis for the benefit of the City of Livermore before the City's own insurance or self-insurance shall be called upon to protect it as a named insured.

3. Any failure to comply with reporting or other provisions of the policy, including breaches of warranties, shall not affect coverage provided to the City of Livermore, its officers, officials, employees, or volunteers.
4. The Consultant's/Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party before expiration of the policy unless notice is delivered in accordance with policy provisions.
6. It shall be a requirement under this agreement that any available insurance proceeds broader than, or in excess of, the specified minimum insurance coverage requirements and/or limits shall be available to the additional insured. Furthermore, the requirements for coverage and limits shall be (1) the minimum coverage and limits specified in this agreement; or (2) the broader coverage and maximum limits of coverage of any insurance policy or proceeds available to the named Insured; whichever is greater.
7. Certificate Holder section of the insurance certificate should read: City of Livermore, 1052 S. Livermore Avenue, Livermore, CA 94550

Verification of Coverage

Consultant/Contractor shall furnish certificates of insurance and endorsement(s) effecting coverage to the City of Livermore for approval. The endorsements shall be on forms acceptable to the City of Livermore. All certificates and endorsements are to be received and approved by the City of Livermore before work commences. The City of Livermore reserves the right to require complete and certified copies of all insurance policies required by this Agreement.

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EXHIBIT C

CITY OF LIVERMORE REQUEST FOR PROPOSALS

DEPARTMENT OF INDUSTRIAL RELATIONS COMPLIANCE CERTIFICATION
Senate Bill 854

- No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].
- No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.
- This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

In accordance with California Labor Code as amended through Senate Bill SB 854, prior to commencement of the Contract, all Contractors are required to register, and maintain active registration throughout the duration of the contract with the California Department of Industrial Relations (DIR). For information regarding registration, please go to: http://www.dir.ca.gov/

I, the Bidder, certify that:

> "I am aware of the provisions of Senate Bill SB 854 and subsequent DIR regulations, which require Contractors/Vendors to comply with all labor compliance requirements including but not limited to prevailing wage requirements, Labor Code sections 1725.5, 1771.1(a), 1774-1776, 1777.5, 1813, 1815, Public Works Contractor Registration Program, Electronic Certified Payroll Records to Labor Commissioner, and other requirements described in the DIR website. I will comply with such provisions before commencing the performance of the work of this contract, and maintain compliance throughout the completion of said contract."

R/D Hoffmann	10-7-2024
Signature	Date
Richard Hoffmann	HQ Construction
Print Name	Business Name
President	1042125
Title	CSLB License Number
	1000062427
	DIR Registration Number

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 5.6**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Judy Erlandson, Acting Public Works Director

SUBJECT: Resolution awarding and authorizing the execution of an agreement with Prime Mechanical Services Inc. to perform HVAC maintenance and repairs at all City-owned buildings in an amount not-to-exceed $1,800,000 for a five-year term ending February 28, 2030.

RECOMMENDED ACTION

Staff recommends the City Council adopt a resolution awarding and authorizing execution of an agreement with Prime Mechanical Services Inc. for heating ventilation and air conditioner (HVAC) maintenance and repair services at City-owned buildings in an amount not-to-exceed $1,800,000 for a five-year term ending February 28, 2030.

SUMMARY

Contract HVAC services are used in conjunction with HVAC maintenance and repair services provided by staff. Staff have completed their review of the nine proposals received and is recommending Prime Mechanical Services Inc. as the best value bidder for these services.

DISCUSSION

The City of Livermore published a Request for Proposals (RFP) (#24-362497) on October 7, 2024, to qualified HVAC maintenance and repair contractors requesting routine monthly HVAC maintenance and repair services and on-call repairs at City-owned buildings. Utilizing contract services for routine maintenance activities, such as cleaning and calibrating temperature control devices, inspecting compressors, evaporators, and exhaust fans, other general HVAC maintenance services, and on-call repairs allows staff to complete more complex maintenance activities.

Staff utilized a multi-step process in determining which HVAC maintenance and repair contractor represented the best value as defined by Livermore Municipal Code (LMC) 2.68.330. The credentials and proposals of each of the bidders were evaluated and assessed by staff's contract evaluation team. The City received nine proposals eight of which were responsive. Proposed pricing was submitted as shown in Table 1.

Table 1: Price Comparison

Bidder	TOTAL MONTHLY COST	HOURLY RATE	OT RATE	HOLIDAY RATE
Air System Service and Construction	$11,189.00			
ESI	$12,480.00	$195.00	$275.00	$345.00
Matrix HG Inc.	$14,675.00	$202.00	$303.00	$405.00
Peterson Mechanical	$24,725.00	$190.00	$230.00	$230.00
Prime Mechanical	$7,825.00	$135.00	$202.50	$270.00
Silicon Valley Mechanical	$7,872.00	$123.00	$184.50	$226.00
THP Mechanical	$9,813.00	$195.00	$250.00	$375.00
United Mechanical	$10,105.00	$191.06	$254.23	$317.39
Western Allied	$17,110.83	$205.00	$307.50	$410.00

The monthly cost proposal from Prime Mechanical Services Inc. was the lowest bid and represents the best value to the City for HVAC maintenance and repair services based on total price, qualifications, experience, proposed schedule for providing services, services offered, and overall quality of proposal. Prime Mechanical Services Inc. is the current contractor for HVAC maintenance and repairs and has a demonstrated record of providing quality service to Livermore for five years and staff expects Prime Mechanical Services Inc.'s high-level of service will continue to meet the needs of the City of Livermore.

The annual maximum compensation for Prime Mechanical Services Inc. will be $360,000. Staff estimates $93,900 will be expended annually for scheduled HVAC preventative maintenance and repair services. Staff have included additional funding as a contingency for on-call repair work beyond the cost of routine monthly services. Funding for approximately 1,000 hours of labor and materials is included in the budget for on-call and emergency maintenance and repairs due to the aging HVAC infrastructure at City facilities. Recent examples of on-call repairs include replacement of an HVAC unit at Fire Station 9, replacement of compressors at City Hall and the Water Resources Plant, and replacement of two HVAC motor drives at the Police Department.

FISCAL AND ADMINISTRATIVE IMPACTS

Funding for HVAC maintenance and repairs are allocated in the annual operating budget in Organization Code 740, Facilities Rehabilitation Program in the FY 2024-25 General Fund budget. Additional appropriations will be included in the FY 2025-26 budget and beyond.

COMMUNITY PILLAR

5: A City That Works

GOAL

14: Develop and maintain the City's infrastructure, facilities, and property

ATTACHMENTS

1. Resolution
2. Exhibit A - Agreement

Prepared by: Marisa Gan
Acting Public Works Manager

Approved by:



Marianna Marysheva
City Manager

Fiscal Review by:



Tina Olson
Administrative Services Director

IN THE CITY COUNCIL OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION AWARDING AND AUTHORIZING THE EXECUTION OF AN AGREEMENT TO/WITH PRIME MECHANICAL SERVICE, INC. FOR HVAC MAINTENANCE AND REPAIR SERVICES IN AN AMOUNT NOT TO EXCEED $1,800,000 FOR A FIVE-YEAR TERM

The City of Livermore operates various HVAC systems to provide temperature control in City facilities. The City requires an outside contractor to perform HVAC maintenance and repair services at City-owned buildings, including routine monthly preventative maintenance and on-call repairs. Utilizing contract services for routine maintenance activities, such as cleaning and calibrating temperature control devices and inspecting compressors, evaporators, and exhaust fans, and repairs allows staff to complete more complex maintenance activities.

The City advertised and received nine proposals for services to maintain and repair City HVAC systems, Request for Proposal No. 24-362497. Pursuant to Livermore Municipal Code section 2.68.330, City staff reviewed the proposals and determined that Prime Mechanical Service, Inc. is the best value bidder based on all relevant factors, including the cost, schedule for providing services, services offered, and ability, capacity, and skill of the contractor to provide the services requested.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Livermore that it:

1. Awards to Prime Mechanical Service, Inc. the agreement, attached hereto as Exhibit A, for HVAC maintenance and repair services, in an amount not-to-exceed $1,800,000 for a five-year term.

2. Authorizes the City Manager, or her designee, to execute an agreement with Prime Mechanical Service, Inc., attached hereto as Exhibit A, for HVAC maintenance and repair services, in an amount not-to-exceed $1,800,000 for a five-year term.

3. Authorizes the City Manager, or her designee, to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution, including approving minor changes to the proposed agreement.

On motion of Council Member _____, seconded by Council Member _____, the foregoing resolution was passed and adopted on January 27, 2025, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAIN: COUNCIL MEMBERS:

ATTEST:

_____
Deborah L. Elam
City Clerk

APPROVED AS TO FORM:

/s/ Molly A. O'Toole
Molly A. O' Toole
Assistant City Attorney

Exhibit A – Agreement with Prime Mechanical Service, Inc.

Docusign Envelope ID: 6FF22B73-8F61-4B76-BDED-2E82D7D3CC31

AGREEMENT FOR SERVICES

THIS AGREEMENT is made and entered into this _____ day of _____, 20__, by and between the City of Livermore ("City"), a municipal corporation, and Prime Mechanical Service, Inc. ("Contractor"), a California corporation.

RECITALS

City requires services to perform HVAC maintenance and repairs at all City-owned buildings.

Contractor warrants it possesses the distinct skills, qualifications, experience, and resources necessary to timely perform the services described in this Agreement. Contractor acknowledges City has relied upon these warranties to retain Contractor.

AGREEMENT

NOW, THEREFORE, City and Contractor hereby agree that the aforementioned recitals are true and correct and further agree as follows:

1. Retention as Contractor. City hereby retains Contractor, and Contractor hereby accepts such engagement, to perform the services described in Section 3 below subject to the terms and conditions in this Agreement.

2. Relationship of Parties – Independent Contractors. The relationship of the parties shall be that of independent contractors. Contractor and its employees are not City officers or employees. Contractor is responsible for the supervision and management of its employees, including any workers compensation insurance, withholding taxes, unemployment insurance, and any other employer obligations associated with the delivery of the services contemplated by this Agreement.

3. Description of Services. Contractor shall provide services to perform HVAC maintenance and repairs at all City-owned buildings as more particularly set forth in Exhibit "A" (collectively "the Services").

4. Contractor's Responsibilities. Contractor shall:

(a) Diligently perform the Services in a manner commensurate with industry, professional, and community standards;

(b) Provide the resources necessary to complete the Services in a timely manner;

(c) Obtain a business license from the City of Livermore, and keep it in effect for the term of this Agreement;

(d) Obtain and keep in effect all necessary licenses, permits, qualifications, insurance, and approvals legally and professionally required for Contractor to practice its profession and to provide the Services;

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(e) Comply with all laws in effect that are related to Contractor and the Services;

(f) Coordinate the Services with Jason Calkins, Public Works Supervisor-Facilities ("Project Manager"), or such other person designated as the Project Manager by City;

(g) Be available to the Project Manager, and other parties referred to Contractor by the Project Manager, to answer questions or inquiries related to the Services;

(h) Only invoice City for the Services rendered. Contractor's invoice shall be in writing and describe the Services performed for the payment requested. Contractor shall not submit an invoice to City more frequently than once a calendar month;

(i) Keep and maintain invoices and records related to the Services in an organized manner. At a minimum, the records must be kept for at least 3 years from the date of final payment to Contractor and must include time sheets, work progress reports, and other documentation to adequately explain all the Services invoiced for payment. Contractor shall make the invoices and records immediately available to City upon delivery of a written request to examine, audit, or copy them at City's place of business during normal business hours. Contractor shall give City 30 calendar-days' written notice prior to destroying the invoices and records and allow City an opportunity to take possession. If City wants them, Contractor and City shall coordinate their delivery to City in the most efficient manner possible;

(j) Prepare and submit a written report to the Project Manager, within 3 business-days of the Project Manager's written request, that identifies the Services completed and in progress, the charges incurred to date, and the anticipated cost to complete the remaining Services;

(k) Contractor shall correct, at its own expense, all errors in the Services. Should Contractor fail to make such correction in a timely manner, City may make the correction and charge the cost thereof to Contractor;

(l) If applicable, Contractor shall ensure that all work for compensation is taken in compliance with the requirements of the California Labor Code including but not limited to hours of labor, nondiscrimination, payroll records, apprentices, worker's compensation and prevailing wages. If applicable, Contractor shall comply with all prevailing wage laws, such as sections 1773, 1773.8, 1775, 1776, 1777.5, 1777.6, and 1813 of the California Labor Code and any other applicable wage and hour law. If any violation of prevailing wage law associated with this Agreement is deemed to have occurred by any court or administrative authority, Contractor shall forfeit to the City, as a penalty, the sum of fifty dollars ($50.00) for each calendar day, or portion thereof, for each laborer, worker, or mechanic employed, paid less than the applicable prevailing rates for any work done to accomplish the purposes of this Agreement; and,

(m) Contractor's services provided pursuant to this Agreement shall comply with the Americans with Disabilities Act (ADA) of 1990, and all amendments thereto, as well as applicable regulations and guidelines issued pursuant to the ADA.

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5. Compensation and Payment.

(a) The total compensation payable by City to Contractor for the Services **SHALL NOT EXCEED** the sum of $1,800,000 ("not-to-exceed amount"). City shall compensate Contractor for the Services rendered at the hourly rates or task amounts set forth in Exhibit "A" up to the not-to-exceed amount. Except as provided in the body of this Agreement, the hourly rates or task amounts are intended to be Contractor's only compensation for the Services and is inclusive of all costs of labor, licensing, permitting, travel expenses, overhead and administrative costs, and any-and-all other costs, expenses, and charges incurred by Contractor, its agents, and employees to provide the Services.

(b) City shall pay Contractor no later than 30 days after City receives a written invoice from Contractor and verifies the Services were performed for the payment requested.

6. Term. The term of this Agreement commences on March 1, 2025, and terminates upon the completion of the Services or February 28, 2030, whichever occurs first.

7. Termination by City. City may terminate any portion or all of the Services by giving Contractor at least 30 calendar-days written notice. Upon receipt of a termination notice, Contractor shall immediately stop all work in progress on the Services except where necessary to preserve the benefit of the work, and assemble the work on the Services for delivery to City on the termination date. All compensation for Services performed prior to the termination date shall be payable to Contractor in accordance with Section 5.

8. Ownership of Documents. All drawings, designs, data, photographs, reports and other items prepared or obtained by Contractor in the performance of the Services are City's property and Contractor shall deliver them to City upon demand.

9. Copyright and Right of Use. All items created by Contractor for City under this Agreement are works made for hire, and Contractor shall give City the copyright and all intellectual property rights to all items developed, prepared, and delivered as part of the Services. Contractor agrees that all aspects of the Services and items created thereby will be original works of creation and will not use, in whole or in part, any work created by any other party, except when expressly disclosed by Contractor to City and Contractor obtains a license to such items for the benefit of City. All licenses must be perpetual, world-wide, non-exclusive, and royalty free sufficient in scope to permit City's full use and enjoyment of its ownership rights in the items created by the Services.

10. Confidentiality. Contractor shall not disclose any confidential or proprietary information received from City to anyone except Contractor's employees who require access to the information to perform the Services. This obligation shall survive termination and remain in full force and effect until the information, and any copies thereof, are destroyed or returned to City.

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11. Defense, Indemnity, and Hold Harmless. To the fullest extent permitted by law, Contractor shall hold harmless, indemnify, and defend with counsel selected by the City or otherwise acceptable to the City, the City and its elected and appointed officials, officers, directors, employees, agents and designated volunteers from and against any and all liability, loss, damage, claims, expenses, and costs (including without limitation, attorney's fees and costs and fees of litigation) (collectively, "Liability") of every nature arising out of or in connection with Contractor's performance of the services contemplated by this Agreement, or in connection with Contractor's failure to comply with any of its obligations contained in this Agreement, except for such Liability caused by the sole active negligence or willful misconduct of City. Contractor's obligations to hold harmless, indemnify, and defend shall not be excused because of Contractor's inability to evaluate Liability or because Contractor evaluates Liability and determines that Contractor is not liable to the claimant. These obligations are independent of, and shall not in any way be limited by, the minimum insurance obligations contained in this Agreement. These obligations shall survive the completion or termination of this Agreement. Contractor must respond within 30 days to the tender of any claim for defense and indemnity by the City.

(a) Modification for Construction Contracts. To the extent this Agreement is a "construction contract" covered by California Civil Code section 2782, then Contractor's duty to indemnify shall not apply in a manner prohibited by California Civil Code section 2782.

(b) Modification for Design Professional Services. To the extent this Agreement is for "design professional services" defined in California Civil Code section 2782.8, then Contractor's duties to defend and indemnify shall only apply to the extent provided for in California Civil Code section 2782.8(a), unless section 2782.8(a) is not applicable for one of the reasons set forth in 2782.8(e).

12. Insurance. Contractor shall procure and maintain insurance during the term of this Agreement in the amounts and under the terms set forth in Exhibit "B" against claims that may arise from or in connection with this Agreement and performance of the Services. Upon reasonable written notice, Contractor shall comply with any changes in the amounts and terms of insurance as may be required from time-to-time by City's Risk Manager.

13. Acceptance of Final Payment. Contractor's acceptance of final payment will release City from any and all claims and liabilities for compensation under this Agreement.

14. Acceptance of Work. City's acceptance of, or payment to Contractor for, the Services does not release Contractor from its responsibility for the accuracy, completeness, or competency of the Services, nor do the actions constitute an assumption of Contractor's responsibility or liability by City for any defect or error in the Services.

15. Conflict of Interest. Contractor represents that no City employee or official has a financial interest in Contractor. Contractor shall not offer, encourage, or accept any financial interest in any part of Contractor's business by or from a City employee or official during the term of this Agreement or as a result of being awarded this Agreement. If any of the Services are paid by reimbursement from an agreement between City and a private

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party, Contractor represents that it has not performed any work for that private party during the 12-month period prior to the execution of this Agreement, and that it shall not negotiate, offer or accept any contract for services from that party during the term of this Agreement.

16. Economic Disclosure. Contractor shall comply with City's local conflict of interest code and the Political Reform Act, and prepare and file an economic disclosure statement if the Services involve making, or participation in making, decisions which may have a material effect on the Contractors' financial interest. While it is Contractor's sole responsibility to evaluate its conflicts of interest, the Contractor nevertheless agrees to prepare and file an economic disclosure statement if requested by City.

17. Non-Exclusive Agreement. This is a non-exclusive agreement. City reserves the right to provide, and to retain other Contractors to provide, services that are the same or similar to the Services described in this Agreement.

18. No Assignment. Contractor shall not assign or subcontract any of the Services without City's prior written consent. For the purposes of this section, a change of fifty percent or more in the ownership or control of Contractor constitutes an assignment.

19. Remedies. All remedies permitted or available under this Agreement, or at law or in equity, are cumulative and alternative, and the invocation of a right or remedy will not be construed to waive or elect a remedy with respect to any other available right or remedy. As a condition precedent to commencing legal action involving a claim or dispute against City arising from this Agreement, the Contractor must present a written claim to City in accordance with Chapter 3.42 of the Livermore Municipal Code.

20. Construction of Language. The terms and conditions in this Agreement have been arrived at through negotiation and each party had a full and fair opportunity to review and revise this Agreement with legal counsel. Any ambiguity in this Agreement will not be resolved against either party as the drafting party. In the event of an inconsistency or conflict between the language in the body of the Agreement and an attachment hereto, the language in the body of the Agreement controls.

21. Entire Agreement; Modification. This Agreement supersedes all other agreements, whether oral or written, between the parties with respect to the Services. Any modification to this Agreement must be in writing and signed by both parties. In the event the original of this Agreement is lost or destroyed, an archival copy maintained by City can be used in place of the original for all purposes with the same effect as if it was the original.

22. Notice. Notices under this Agreement must be delivered to the addresses below by deposit in the United States mail or by overnight delivery service, with postage prepaid and delivery confirmation:

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TO CITY: Attention: Jason Calkins, Public Works Supervisor-Facilities
City of Livermore
3500 Robertson Park Road
Livermore, California 94550

TO CONTRACTOR: Attention: John Eshelman
Prime Mechanical Service, Inc.
296 Wright Brothers Ave.
Livermore, CA 94551

23. Waiver. Failure to insist upon the strict performance of any term or conditions in this Agreement, no matter how long the failure continues, is not a waiver of the term or condition and does not bar the right to subsequently demand strict performance. To be effective, a waiver must be in writing and signed by the non-breaching party.

24. Severability. If a court of competent jurisdiction determines a provision in this Agreement is invalid, void, or unenforceable, the remaining provisions will nevertheless continue in full force and effect without being impaired in any way.

25. Survival. The terms, conditions, and obligations in Sections 8, 9, 10, and 11 shall survive the completion or termination of this Agreement.

26. Electronic Signatures. By signing this document, you are agreeing that you have reviewed this disclosure information and consent to transact business using electronic communications, to receive notices and disclosures electronically, and to utilize electronic signatures in lieu of using paper documents. You are not required to receive notices and disclosures or sign documents electronically. If you prefer not to do so, you may request to receive paper copies and withdraw your consent at any time.

27. Counterparts. This Agreement may be executed and delivered in one or more counterparts, each of which will be deemed to be an original copy of this Agreement, and all of which, when taken together, will be deemed to constitute one and the same agreement. The facsimile, email, or other electronically delivered signatures of the Parties shall be deemed to constitute original signatures, and facsimile or electronic copies hereof shall be deemed to constitute duplicate originals and shall be valid and effective for all purposes.

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Signatures and Attachment List on the Next Page

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In concurrence and witness whereof, and in recognition of the mutual consideration provided therefore, the parties have executed this Agreement, effective on the date first written above.

CONTRACTOR: **Dated:**

Signed by:
John Eshelman
C0AE905C98B34A8...

12/24/2024 | 2:07 AM PST

By: John Eshelman
Title: President

CITY OF LIVERMORE: **Dated:**

Marianna Marysheva
City Manager

APPROVED AS TO FORM:

Signed by:
Molly O'Toole
A006EFED3B6E4A5...

Deputy/Assistant/City Attorney

APPROVED AS TO INSURANCE:

DocuSigned by:
Jas Sidhu
A5E7D34BB6A748A...

Risk Manager/Analyst

Attachments:

Exhibit A – Scope of Work
Exhibit B – Insurance Requirements
Exhibit C - DIR Compliance Certification

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City-Owned Buildings

Prime Mechanical Service, Inc. ("Contractor") will provide preventive maintenance and repair services on all equipment and associated devices related to the HVAC systems at the following locations:

BUILDING	ADDRESS
City Hall	1052 S. Livermore Avenue
Civic Center Meeting Hall	1016 S. Livermore Ave
Police Department	1110 S. Livermore Avenue
Maintenance Service Center	3500 Robertson Park Road
Multi-Service Center	3311 Pacific Avenue
Fire Station 6	4550 East Avenue
Fire Station 7	951 Rincon Avenue
Fire Station 8	5750 Scenic Avenue
Fire Station 9	1919 Cordoba Street
Fire Station 10	330 Airway Boulevard
Library – Civic Center	1188 S. Livermore Avenue
Library – Rincon	725 Rincon Avenue
Library – Springtown	998 Bluebell Drive
Livermore Municipal Airport and associated tenant buildings.	680 Terminal Circle
Livermore Water Reclamation Plant	101 W Jack London Boulevard

BUILDING AND MINIMUM MAINTENANCE HOURS REQUIRED PER MONTH:

City Hall	8
Police Department	8
Civic Library	8
Civic Center Meeting Hall	2
Rincon Library	2
Springtown Library	2
Fire Station 6	2
Fire Station 7	2
Fire Station 8	2
Fire Station 9	2
Fire Station 10	2
Maintenance Service Center	2
Multi-Service Center	2
Livermore Municipal Airport and Associated Tenant Buildings.	4
Livermore Water Reclamation Plant	16
TOTAL NUMBER OF MINIMUM HOURS PER MONTH.	**64**

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Building Descriptions and List of Equipment

LOCATION	ADDRESS	UNIT TAG	UNIT DESCRIPTION	UNIT LOCATION & ACCESSABILITY	MAKE / MODEL
Airport Terminal	680 Terminal Circle	AC-1	Packaged AC unit with gas fired heat	Roof	Carrier Weather Maker
Airport Terminal	680 Terminal Circle	AC-2	Packaged AC unit with electric strip heat	Roof	Carrier 50LJ 009 511ZA
Airport Terminal	680 Terminal Circle	EF-1	Exhaust fan	Roof	N/A
Airport Terminal	680 Terminal Circle	CU-1	Condensing unit	Roof	Daikin RX518LVJU
Airport Terminal	680 Terminal Circle	HP-1	Air Handler	West Ceiling	Daikin RXYG120BPTJ
Airport Terminal	680 Terminal Circle	HP-1	Air Handler	East Ceiling	Daikin RXYG120BPTJ
Airport Terminal	680 Terminal Circle	EF-1	Renew Aire	Roof	HE2XRT
Airport Terminal - Altamont Aviation	180 Airway Blvd.	A/C-1	Gas Pack A/C unit	Roof	York D4CGO36N04125A
Airport Terminal - Altamont Aviation	180 Airway Blvd.	A/C-2	Gas Pack A/C unit	Roof	York D1GA030N04806A
Airport Terminal - Altamont Aviation	180 Airway Blvd.	A/C-3	Gas Pack A/C unit	Roof	York D1GA024N03206A
Airport – Tucknott Electric	186 Airway Blvd.	A/C-4	Gas Pack A/C unit	Roof	Carrier S80APOSO120B
Airport – Tucknott Electric	186 Airway Blvd.	A/C-5	Gas Pack A/C unit	Roof	York D4CG060N08225
Airport - HK Cycle	196 Airway Blvd.	A/C-6	Gas Pack A/C unit	Roof	ICP PGF060H190E
Airport - West Coast British Motors	190 Airway Blvd.	A/C-7	Gas Pack A/C unit	Roof	BDP 559EJO2E
Airport – Attitude Aviation	299 W. Jack London Blvd.	A/C-1	Split system	Ground and Ceiling	Carrier 4OQP042301
Airport – Attitude Aviation	299 W. Jack London Blvd.	A/C-2	Split system	Ground and Ceiling	Carrier 3BOWO23WM
Airport – Attitude Aviation	299 W. Jack London Blvd.	AH-1	Split system	Ground and Ceiling	Carrier FX4CWF042
Airport – Attitude Aviation	299 W. Jack London Blvd.	AH-2	Split system	Ground and Ceiling	Carrier FX4CWF042
Airport – Valley Machine	192 Airway Blvd.	N/A	N/A	N/A	N/A
City Hall	1052 S. Livermore Ave.	AC-1	Split AC unit fan coil section4650 cfm at .5"	FC at room floor	Leibert FH/UH 114A
City Hall	1052 S. Livermore Ave.	AC-2	Split AC unit fan coil section700 cfm at .4"	FC at ceiling	Leibert MMO 18E
City Hall	1052 S. Livermore Ave.	AC-3	Split AC unit fan coil section1250 cfm at .3"	FC at ceiling	Leibert MMO 36E
City Hall	1052 S. Livermore Ave.	AC-4	Split AC unit fan coil section480 cfm at .3"	FC at ceiling	Leibert MMO12E
City Hall	1052 S. Livermore Ave.	AC-5	Split AC unit fan coil section1000 cfm at .3"	FC at ceiling	Leibert MMO 36E
City Hall	1052 S. Livermore Ave.	AC-6	Split AC unit fan coil section700 cfm at .34"	FC at ceiling	Leibert DMO 20E
City Hall	1052 S. Livermore Ave.	AHU-1	Air handler SF 13,000 cfm at4.9"; RF 13,000 cfm at 1.5"	Rooftop fan; Room2	Temtrol SF DWDI AF-22; RFPF-33
City Hall	1052 S. Livermore Ave.	AHU-2	Air handler SF 14,000 cfm at4.8"; RF 12,500 cfm at 1.5"	Outdoor rooftop enclosure	Temtrol SF PF-30; RF AF-27
City Hall	1052 S. Livermore Ave.	AHU-3	Air handler SF 16,000 cfm at5.1"; RF 16,000 cfm at 1.5"	Rooftop fan; Room1	Temtrol SF DWDI AF-22; RFPF-36
City Hall	1052 S. Livermore Ave.	AHU-4	Air handler SF 13,000 cfm at4.7"; RF 12,000 cfm at 1.5"	Outdoor rooftop enclosure	Temtrol SF PF-30; RF PF-22
City Hall	1052 S. Livermore Ave.	C-2	Condensing unit	CU on rooftop	Leibert PFC 020A
City Hall	1052 S. Livermore Ave.	CHP-1&2	Chiller building loop pumps 200 gpm at 50'	Mech room	B&G 1510-3BC

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Exhibit A
SCOPE OF SERVICES

EXHIBIT A

LOCATION	ADDRESS	UNIT TAG	UNIT DESCRIPTION	UNIT LOCATION & ACCESSABILITY	MAKE / MODEL
City Hall	1052 S. Livermore Ave.	CP-1	Hot water recirculating pump	Storage room 175	Grundfos UP 26-64 HS 1502020
City Hall	1052 S. Livermore Ave.	CU-1	Condensing unit	CU on rooftop	Leibert DCD165LY
City Hall	1052 S. Livermore Ave.	CU-3	Condensing unit	CU on rooftop	Leibert PFC 037A
City Hall	1052 S. Livermore Ave.	CU-4	Condensing unit	CU on rooftop	Leibert PFC 014A
City Hall	1052 S. Livermore Ave.	CU-5	Condensing unit	CU on rooftop	Leibert PFC 037A
City Hall	1052 S. Livermore Ave.	CU-6	Condensing unit	CU on rooftop	Leibert PFC 020A
City Hall	1052 S. Livermore Ave.	EF-1	Exhaust fan 1700 cfm at .5"	Rooftop	Greenheck CUBE 160-5-X
City Hall	1052 S. Livermore Ave.	EF-2	Exhaust fan 1100 cfm at .5"	Rooftop	Greenheck CUBE 140-4-X
City Hall	1052 S. Livermore Ave.	EF-3	Exhaust fan 1180 cfm at .5"	Rooftop	Greenheck CUBE 140-5-X
City Hall	1052 S. Livermore Ave.	EF-4	Exhaust fan 600 cfm at .5"	Rooftop	Greenheck CUBE 130-4-X
City Hall	1052 S. Livermore Ave.	EF-5	Exhaust fan 150 cfm at .5"	Rooftop	Greenheck CUBE 98-4-X
City Hall	1052 S. Livermore Ave.	EF-6	Exhaust fan 220 cfm at .5"	Rooftop	Greenheck CUBE 95
City Hall	1052 S. Livermore Ave.	EF-7	Exhaust fan 1120 cfm at .5"	Rooftop	Greenheck CUBE 140-4-X
City Hall	1052 S. Livermore Ave.	EF-8	Exhaust fan 1325 cfm at .5"	Rooftop	Greenheck CUBE 140-4-X
City Hall	1052 S. Livermore Ave.	GHW-1	Gas fired water heater 100gallon tank with recirc	Storage room 174	AO Smith XHE BTH 150
City Hall	1052 S. Livermore Ave.	HWP-1&2	Heating water building loop pumps 70 gpm at 50'	Mech room	B&G 1510-1.5AC
Civic Center Meeting Hall	1016 S. Livermore Ave	FCU	(4) outdoor HVAC units	Rooftop	(2) Mitsubishi outdoor units, (1) Aaon, Inc Central HVAC unit, (1) Fujitsu Split AC
Civic Center Meeting Hall	1016 S. Livermore Ave	FCU	(8) Fan coil units	Various interior rooms	
Fire Station No. 10	330 Airway Blvd	CP-1	Recirculating pump 4 gpm at8' tdh	Exterior access mech closet	B&G 100 series
Fire Station No. 10	330 Airway Blvd	CU-1	Condensing unit	Outdoors	Carrier 38HDC-036
Fire Station No. 10	330 Airway Blvd	CU-2	Condensing unit	Outdoors	Carrier 38HDC-048
Fire Station No. 10	330 Airway Blvd	EF-3	Exhaust fan	Attic space through access panel	Plymovent
Fire Station No. 10	330 Airway Blvd	FAU-1	Split unit gas fired furnace	Exterior access mech closet	Carrier CT5436-M175
Fire Station No. 10	330 Airway Blvd	FAU-2	Split unit gas fired furnace	Exterior access mech closet	Carrier CT5436-M175
Fire Station No. 10	330 Airway Blvd	UH-1	Gas fired space heater	Garage ceiling	Sterling
Fire Station No. 10	330 Airway Blvd	UH-2	Gas fired space heater	Garage ceiling	Sterling
Fire Station No. 6	4550 East Avenue	AC-1	Packaged AC unit with gas fired heat	Rooftop enclosure	Trane YCC060F3MOBF
Fire Station No. 6	4550 East Avenue	AC-2	Packaged AC unit with gas fired heat	Rooftop	439OC20628

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Exhibit A
SCOPE OF SERVICES

LOCATION	ADDRESS	UNIT TAG	UNIT DESCRIPTION	UNIT LOCATION & ACCESSABILITY	MAKE / MODEL
Fire Station No. 6	4550 East Avenue	AC-3	Packaged AC unit with gas fired heat	Rooftop enclosure	1500G10593
Fire Station No. 6	4550 East Avenue	AC-4	Packaged AC unit with gas fired heat	Rooftop enclosure	0700G10424
Fire Station No. 6	4550 East Avenue	SH-1	Gas fired space heater	Main garage area ceiling	n/a
Fire Station No. 6	4550 East Avenue	SH-2	Gas fired space heater	Main garage area ceiling	n/a
Fire Station No. 7	951 Rincon Avenue	CU-1	Condensing unit	Outdoors	Carrier 38TUA060-310
Fire Station No. 7	951 Rincon Avenue	CU-2	Condensing unit	Outdoors	Carrier 38TUA060-310
Fire Station No. 7	951 Rincon Avenue	EF-1	Exhaust fan	n/a	Cook
Fire Station No. 7	951 Rincon Avenue	EF-3	Exhaust fan	Rooftop enclosure	American Fan Co. AF-12
Fire Station No. 7	951 Rincon Avenue	F-1	Gas fired furnace with DXcooling coil	North wall exterior utility closet	Carrier Series 180 58 PAV111
Fire Station No. 7	951 Rincon Avenue	F-2	Gas fired furnace with DXcooling coil	North wall exterior utility closet	Carrier Series 180 58 PAV111
Fire Station No. 7	951 Rincon Avenue	n/a	AC unit	Exercise room on wall	Amana
Fire Station No. 7	951 Rincon Avenue	UH-1	Gas fired space heater	Main garage area ceiling	Modine High Efficiency II
Fire Station No. 7	951 Rincon Avenue	UH-2	Gas fired space heater	Main garage area ceiling	Modine High Efficiency II
Fire Station No. 8	5750 Scenic Avenue	AC-1	Packaged AC unit with gas fired heat	Rooftop enclosure	Trane YCD075C3LOBE
Fire Station No. 8	5750 Scenic Avenue	EF-1	Exhaust fan 360 cfm at .25"	n/a	Greenheck
Fire Station No. 8	5750 Scenic Avenue	EF-2	Exhaust fan 200 cfm at .5"	n/a	Greenheck
Fire Station No. 8	5750 Scenic Avenue	EF-3	Exhaust fan 410 cfm at .25"	n/a	Greenheck
Fire Station No. 8	5750 Scenic Avenue	EF-4	Exhaust fan 200 cfm at .5"	n/a	Greenheck
Fire Station No. 8	5750 Scenic Avenue	FC-1	Split heat pump fan coil	n/a	Mitsubishi PUH18EK
Fire Station No. 8	5750 Scenic Avenue	FC-2	Split heat pump fan coil	n/a	Mitsubishi PUH18EK
Fire Station No. 8	5750 Scenic Avenue	FC-3	Split heat pump fan coil	n/a	Mitsubishi PUH18EK
Fire Station No. 8	5750 Scenic Avenue	FC-4	Split heat pump fan coil	n/a	Mitsubishi PUH18EK
Fire Station No. 8	5750 Scenic Avenue	HP-1	Split heat pump	Rooftop enclosure	Mitsubishi PUH18EK
Fire Station No. 8	5750 Scenic Avenue	HP-2	Split heat pump	Rooftop enclosure	Mitsubishi PUH18EK
Fire Station No. 8	5750 Scenic Avenue	HP-3	Split heat pump	Rooftop enclosure	Mitsubishi PUH18EK
Fire Station No. 8	5750 Scenic Avenue	HP-4	Split heat pump	Rooftop enclosure	Mitsubishi PUH18EK
Fire Station No. 8	5750 Scenic Avenue	UH-1 to 4	Gas fired infrared unit heater	Main garage area ceiling	Schwank JR37-7055AN
Fire Station No. 8	5750 Scenic Avenue	UH-5	Unit heater	Ceiling	n/a
Fire Station No. 9	1919 Cordoba Street	AC-1	Packaged AC unit with gas fired heat	Rooftop	Carrier 58OANH04
Library – Civic Center	1188 S. Livermore Avenue	AC-1	Split AC unit fan coil section700 cfm at .4"	FC at room ceiling	Leibert MMO 18E
Library – Civic Center	1188 S. Livermore Avenue	AC-2	Split AC unit fan coil section700 cfm at .4"	FC at room ceiling	Leibert MMO 18E
Library – Civic Center	1188 S. Livermore Avenue	AC-3	Split AC unit fan coil section700 cfm at .4"	FC at room ceiling	Leibert MMO 18E
Library – Civic Center	1188 S. Livermore Avenue	AHU-1	Outdoor air handler SF 5300 cfm at 4.11", RF 5300 cfm at1.4"	Outdoor rooftop enclosure	Temtrol SF PF-20; RF FC-18
Library - Civic Center	1188 S. Livermore Avenue	AHU-2	Outdoor air handler SF 6700 cfm at 4.12", RF 6700 cfm at1.4"	Outdoor rooftop enclosure	Temtrol SF PF-22; RF FC-18
Library - Civic Center	1188 S. Livermore Avenue	AHU-3	Outdoor air handler SF 9000 cfm at 4.0", RF 8700 cfm at1.32"	Outdoor rooftop enclosure	Temtrol SF PF-27; RF FC-20

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LOCATION	ADDRESS	UNIT TAG	UNIT DESCRIPTION	UNIT LOCATION & ACCESSABILITY	MAKE / MODEL
Library - Civic Center	1188 S. Livermore Avenue	AHU-4	Outdoor air handler SF 10,000 cfm at 4.03", RF10,000 cfm at 1.29"	Outdoor rooftop enclosure	Temtrol SF PF-27; RF FC-22
Library - Civic Center	1188 S. Livermore Avenue	AHU-5	Outdoor air handler SF 8000cfm at 4.05", RF 8000 cfm at 1.43"	Outdoor rooftop enclosure	Temtrol SF PF-24; RF FC-20
Library - Civic Center	1188 S. Livermore Avenue	AHU-6	Outdoor air handler SF 10,300 cfm at 4.04", RF 8800cfm at 1.33"	Outdoor rooftop enclosure	Temtrol SF PF-27; RF FC-20
Library - Civic Center	1188 S. Livermore Avenue	AHU-7	Outdoor air handler SF 6600 cfm at 4.12", RF 6000 cfm at1.33"	Outdoor rooftop enclosure	Temtrol SF PF-22; RF FC-18
Library – Civic Center	1188 S. Livermore Ave.	CHWP-1&2	Chilled water building loop pumps 200 gpm at 50'	Mech room 149	B&G 1510-2.5BB
Library – Civic Center	1188 S. Livermore Ave.	CP-1	Hot water recirculating pump	Mech room 149	Grundfos UP 26-64F
Library – Civic Center	1188 S. Livermore Ave.	CU-1	Condensing unit	CU on rooftop	Leibert PFC 020A
Library – Civic Center	1188 S. Livermore Ave.	CU-2	Condensing unit	CU on rooftop	Leibert PFC 020A
Library – Civic Center	1188 S. Livermore Ave.	CU-3	Condensing unit	CU on rooftop	Leibert PFC 020A
Library – Civic Center	1188 S. Livermore Ave.	EF-1	n/a	n/a	n/a
Library – Civic Center	1188 S. Livermore Ave.	EF-2	Exhaust fan 800 cfm at .5"	Rooftop	Greenheck GB 120
Library – Civic Center	1188 S. Livermore Ave.	EF-3	Exhaust fan 600 cfm at .5"	Rooftop	Greenheck GB 90
Library – Civic Center	1188 S. Livermore Ave.	EF-4	Exhaust fan 720 cfm at .5"	Rooftop	Greenheck GB 120
Library – Civic Center	1188 S. Livermore Ave.	EF-5	Exhaust fan 1080 cfm at .5"	Rooftop	Greenheck GB 140
Library – Civic Center	1188 S. Livermore Ave.	EF-6	Exhaust fan 320 cfm at .5"	Rooftop	Greenheck GB 80
Library – Civic Center	1188 S. Livermore Ave.	GHW-1	Gas fired water heater 140gallon tank with recirc	Mech room 149	AO Smith BTP 140-140
Library – Civic Center	1188 S. Livermore Ave.	HWP-1&2	Heating water building loop pumps 130 gpm at 50'	Mech room 149	B&G 1510-2BC
Library - Rincon	725 Rincon Avenue	AC-1	Packaged AC unit with natural gas heat 2000 cfm	Outdoor enclosure	Trane YCD060A1NOAB
Library - Rincon	725 Rincon Avenue	AC-2	Packaged AC unit with natural gas heat 1600 cfm	Outdoor enclosure	Trane YCD048A1NOAB
Library - Rincon	725 Rincon Avenue	AC-3	Packaged AC unit with natural gas heat 1600 cfm	Outdoor enclosure	Trane YCD048A1NOAB
Library - Springtown	998 Bluebell Drive	AC-1	Packaged AC unit with natural gas heat	Rooftop	ICP PGB048-FIHC
Library - Springtown	998 Bluebell Drive	AC-2	Packaged AC unit with natural gas heat	Rooftop	ICP PGB048-FIHC
Maintenance Service Center - Bldg 1	3500 Robertson Park Road	AH-1	Air handler with cooling coil and electric strip heat	In mech room; very tight space	Carrier 40RR-024537
Maintenance Service Center -Bldg 1	3500 Robertson Park Road	EF-1	Bathroom exhaust fan	Roof	n/a
Maintenance Service Center -Bldg 1	3500 Robertson Park Road	EF-2	n/a	n/a	n/a

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Maintenance Service Center -Bldg 1	3500 Robertson Park Road	EF-3	n/a	n/a	n/a
Maintenance Service Center - Bldg 1	3500 Robertson Park Road	HP-1	Air cooled condenser	Outside of mech room	n/a
Maintenance Service Center - Bldg 2	3500 Robertson Park Road	FC-3	Fan coil	In office at ceiling	Sanyo 09KH12
Maintenance Service Center -Bldg 2	3500 Robertson Park Road	HP-3	Air cooled condenser	n/a	Sanyo 09KH12
Maintenance Service Center -Bldg 3	3500 Robertson Park Road	FC-2	Fan coil - 3000 cfm at .25"	Suspended from ceiling	Carrier 40BA-009
Maintenance Service Center - Bldg 3	3500 Robertson Park Road	HP-2	Air cooled condenser	Outside	Carrier 38BQ 008
Maintenance Service Center - Bldg 5	3500 Robertson Park Road	HP-5	Packaged unit heat pump with electric strip heater	On open mezzanine	Carrier 50NQ024300
Maintenance Service Center -Bldg 6	3500 Robertson Park Road	HP-4	Packaged unit heat pump with electric strip heater	On open mezzanine	Carrier 50NQ048311
Multi-Service Center	3311 Pacific Avenue	AC-1	Packaged AC unit with gas fired heat	Outdoor enclosure	Carrier 48GXN024040301
Multi-Service Center	3311 Pacific Avenue	AC-2	Packaged AC unit with gas fired heat	Outdoor enclosure	Carrier 48HJD006---541--
Multi-Service Center	3311 Pacific Avenue	AC-3	Packaged AC unit with gas fired heat	Outdoor enclosure	Carrier 48HJD006---541--
Multi-Service Center	3311 Pacific Avenue	AC-4	Packaged AC unit with gas fired heat	Outdoor enclosure	Carrier 48GXN036090501--
Multi-Service Center	3311 Pacific Avenue	AC-5	Packaged AC unit with gas fired heat	Outdoor enclosure	Carrier 48HJE006---541--
Multi-Service Center	3311 Pacific Avenue	AC-6	Packaged AC unit with gas fired heat	Outdoor enclosure	Carrier WeathermasterCF4850HJ04 -070A1
Multi-Service Center	3311 Pacific Avenue	AC-7	Split system	Outdoor enclosure	n/a
Police	1110 S. Livermore Avenue	B-1 B-2B-3	Heater water boilers (3)	Boiler room	Riello Array 200
Police	1110 S. Livermore Avenue	CH-2	Backup chiller air cooled centrifugal	Outdoor mech. area	Trane CGADC304AHA1GTJ
Police	1110 S. Livermore Avenue	CH-1	Chiller	Chiller room	YORK YMC2-SO756AAS
Police	1110 S. Livermore Avenue	CH-3	Chiller	Chiller room	McQuay DAAA WSC 063
Police	1110 S. Livermore Avenue	CT-1	Cooling tower	Outdoor mech. area	BAC 33485-R
Police	1110 S. Livermore Avenue	n/a	Domestic hot water boilers (2)	Boiler room	Teledyne-Lars Mighty ThermVW
Police	1110 S. Livermore Avenue	n/a	Refrigeration unit	Rooftop enclosure	Correct Temp.
Police	1110 S. Livermore Avenue	P-1	Condenser water pump 660gpm at 55'	Chiller room	B&G
Police	1110 S. Livermore Avenue	P-10	Chiller primary pump 560 gpm at 130 '	Chiller room	B&G 1510-4G

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Police	1110 S. Livermore Avenue	P-11	Condenser water pump 775 gpm at 55'	Chiller room	B&G 1510-5BC
Police	1110 S. Livermore Avenue	P-2	Chiller primary pump 440 gpm at 130 '	Chiller room	B&G 1510-3G
Police	1110 S. Livermore Avenue	P-3	Chiller primary pump 46 gpm at 130 '	Chiller room	B&G Series 90-1.5A
Police	1110 S. Livermore Avenue	P-4, P-5, P-9	Heating water secondary loop pumps 100 gpm at 130'	Boiler room	B&G 1510-2G
Police	1110 S. Livermore Avenue	P-6, P-7	Boiler primary circulating pumps 50 gpm at 30'	Boiler room	Armstrong
Police	1110 S. Livermore Avenue	P-8	Boiler primary circulating pumps 50 gpm at 30'	Boiler room	B&G Series 80-2x2x7
Police	1110 S. Livermore Avenue	AH-1	Air handler	Third Floor – access through second floor storage closet	Trane Modular Climate Changer
Police	1110 S. Livermore Avenue	AH-2	Air Handler	Fingerprint Room in Lobby	Haakon
Police	1110 S. Livermore Avenue	AH-3	Air Handler -2000 CFM, 2.4 WA, 1623 RPM	Records room in ceiling	Haakon Airpak
Police	1110 S. Livermore Avenue	AH-4	Air Handler – 4600 CFM, 3.2 in WC, 1727 RPM	Roof top	Haakon Pentpak
Police	1110 S. Livermore Avenue	AH-5	Air Handler – 6500 CFM, 1166 RPM, 3.7 in WC	Roof top	Haakon Pentpak
Police	1110 S. Livermore Avenue	AH-6	Air Handler – 5000 CFM, 2.5 in WC, 1213 RPM	Roof top	Haakon Pentpak
LWRP - Administration Building	101 W Jack London Boulevard	11AC001	CHILLER, ADMIN BLDG	Machine Room	Trane
LWRP - Aeration Blower Building	101 W Jack London Boulevard	31AC003	AIR CONDITIONING UNIT, DUCTLESS SPLIT	Wall mounted in MCC & Outdoor	Fujitsu
LWRP - Digester Building	101 W Jack London Boulevard	72AC001	AIR CONDITIONER, DIGESTER MCC	Rooftop	Carrier
LWRP - Lab Building	101 W Jack London Boulevard	81AC002	COOLING TOWER, LAB	Machine Room	Unknown
LWRP - Lab Building	101 W Jack London Boulevard	81AC003	AIR CONDITIONER, LAB IT ROOM DUCTLESS SPLIT	Rooftop and in T-Bar Ceiling	Fujitsu
LWRP - Lab Building	101 W Jack London Boulevard	81BO001	BOILER #1, LAB	Machine Room	Lochinvar
LWRP - Lab Building	101 W Jack London Boulevard	81BO002	BOILER #2, LAB	Machine Room	Lochinvar
LWRP - Lab Building	101 W Jack London Boulevard	81CF001	FEEDER, HVAC CHEMICAL	Machine Room	J.L. Wingert
LWRP - Lab Building	101 W Jack London Boulevard	81CF002	FEEDER, HVAC CHEMICAL	Machine Room	J.L. Wingert
LWRP - Lab Building	101 W Jack London Boulevard	82AC001	CHILLER	Rooftop	McQuay
LWRP - Lab Building	101 W Jack London Boulevard	82AH002	AIR HANDLING UNIT AH-1, LAB ROOF	Rooftop	Energy Labs

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LWRP - Lab Building	101 W Jack London Boulevard	82BO001	BOILER, #4, LAB ROOF INSIDE AIR HANDLER	Rooftop inside Air Handler	Lochinvar
LWRP - Lab Building	101 W Jack London Boulevard	82CF001	FEEDER, HVAC CHEMICAL	Machine Room	J.L. Wingert
LWRP - Lab Building	101 W Jack London Boulevard	82DE001	DEHUMIDIFIER, LAB	Rooftop	System Air
LWRP - Lab Building	101 W Jack London Boulevard	82HE001	HEAT PUMPING CONDENSING UNIT HP1, ROOF	Rooftop	Mitsubishi
LWRP - Lab Building	101 W Jack London Boulevard	82HE002	HEAT PUMPING CONDENSING UNIT HP2, ROOF	Rooftop	Mitsubishi
LWRP - Lab Building	101 W Jack London Boulevard	82VF005	FAN, EXHAUST FUME HOOD #1 ROOF	Rooftop	Strobic Air
LWRP - Lab Building	101 W Jack London Boulevard	82VF006	FAN, EXHAUST FUME HOOD #2 ROOF	Rooftop	Strobic Air
LWRP - LAVWMA Building	101 W Jack London Boulevard	51AC003	AIR CONDITIONER, LAVWMA	Indoor/Outdoor	Carrier
LWRP - Maintenance Building	101 W Jack London Boulevard	12AC001	AIR HANDLER, MAINTENANCE BUILDING	Rooftop	Trane
LWRP - RAS/WAS Building	101 W Jack London Boulevard	41AC001	AIR CONDITIONER, RAS-WAS BUILDING	Wall mounted in MCC & Outdoor	Fujitsu
LWRP - RO Building	101 W Jack London Boulevard	81AC001	AIR CONDITIONER, RO MCC	Ductless Split Unit	Fujitsu
LWRP - Solids Handling Building	101 W Jack London Boulevard	71AC601	AIR CONDITIONER, SOLIDS MCC	Indoor MCC	Carrier
LWRP - Solids Handling Building	101 W Jack London Boulevard	71AH001	AIR HANDLING UNIT	Indoor Overhead	Trane
LWRP - Solids Handling Building	101 W Jack London Boulevard	71CD601	CONDENSER, SOLIDS MCC ROOM A/C UNIT	Outdoor	Carrier
LWRP - Tertiary Building	101 W Jack London Boulevard	51AC002	AIR CONDITIONER, GYM Ductless Split	Wall mounted and Rooftop	Quietside
LWRP - Tertiary Building	101 W Jack London Boulevard	51AH002	AIR HANDLING UNIT, TERT HVAC RM	Machine Room	Trane
LWRP - Tertiary Building	101 W Jack London Boulevard	51BO001	BOILER, TERTIARY	Machine Room	Bryan
LWRP - Tertiary Building	101 W Jack London Boulevard	51IN047	HEATER, TANK, CIP	Machine Room	Bell & Gosset
LWRP - Tertiary Building	101 W Jack London Boulevard	52AC001	AIR CONDITIONER, PLC 6 FILTER CONTROL ROOM	2nd Floor Outside	Fujitsu
LWRP - Tertiary Building	101 W Jack London Boulevard		AIR CONDITIONER, DUCTLESS SPLIT SYSTEM	Wall mounted Indoors & Outdoors	
LWRP - Tertiary Building	101 W Jack London Boulevard		AIR CONDITIONER, DUCTLESS SPLIT SYSTEM	Wall mounted Indoors & Outdoors	
LWRP - Tertiary Building	101 W Jack London Boulevard	51AC004	AIR CONDITIONER, DUCTLESS SPLIT SYSTEM	Wallmounted in MCC & Outdoor	Quietside
LWRP - UV Building	101 W Jack London Boulevard	31AC002	AIR CONDITIONER, UV CONTROL ROOM	Indoor/Outdoor	Fujitsu
LWRP - Water Building	101 W Jack London Boulevard	82AH003	PACKAGE AC/HEAT UNIT, WATER BUILDING	Rooftop	Bryant

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LWRP - Water Building	101 W Jack London Boulevard	82AH004	PACKAGE AC/HEAT UNIT, WATER BUILDING	Rooftop	Bryant
LWRP - Water Building	101 W Jack London Boulevard	82AH005	PACKAGE AC/HEAT UNIT, WATER BUILDING	Rooftop	Bryant
LWRP - 480V Switchgear	101 W Jack London Boulevard	61AC001	Air Conditioner	Pad Mount	Trane
LWRP RO Building	101 W Jack London Boulevard		VRF System (8) Fan Coils (1) VRF Condensing Unit		
LWRP RO Building	101 W Jack London Boulevard		(5) Exhaust Fans (2) VRF Branch Controllers		
LWRP Aeration Building	101 W Jack London Boulevard		AC Air handler	Rooftop	Trane

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PREVENTIVE MAINTENANCE CHECKLIST & SCHEDULE

The Contractor shall perform the necessary preventive maintenance as recommended by the manufacturer of the equipment and shall incorporate the following checks and functions into its work schedule:

A. TEMPERATURE CONTROL DEVICES

Thermostats and Temperature Controllers (Annually)

1. Calibrate as necessary.
2. Check general condition.
3. Replace device if defective. City will pay for parts as separate item.

Control Valves (Annually, except as noted)

1. Clean stems.
2. Check packing for leaks.
3. Lubricate packing as required; replace if required.
4. Check for proper seating; replace if required.
5. Check for proper shut-off.
6. Check operator diaphragm (pneumatic).

Relays

1. Inspect relay to insure proper operation **every six (6) months.**

Dampers

1. Check for proper operation and adjust/repair as needed **every six (6) months.**
2. Lubricate dampers as needed.

B. REFRIGERATION COMPRESSOR

1. Check oil level **monthly.**
2. Check for oil leaks **monthly.**
3. Check refrigerant charge condition through sight glass **each visit.**
4. Check for unusual noise and vibration **each visit.**
5. Check refrigeration compressor and refrigeration piping for leaks **quarterly.**
6. Check operation of safety and capacity controls for proper operation, including high and low pressure cut-outs **every six (6) months.**

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C. EXPANSION VALVE (Quarterly)

1. Check all valves for evidence of sticking.
2. Check expansion valve bulb to see that it has good contact with suction line.
3. Check operation of all solenoid valves.

D. EVAPORATOR

1. Inspect fins **annually**; clean/straighten fins as needed
2. Check for rust and scale **quarterly**.
3. Check and paint shrouds/encasements as needed.

E. AIR HANDLERS AND EXHAUST FANS (Quarterly, except as noted)

1. Check blower mounting and tighten if necessary.
2. Check shaft alignment to motor.
3. Check blower pulley for security to shaft.
4. Check blower belt for condition and tension. Adjust or replace as needed.
5. Oil or grease shaft bearings.
6. Check blower fan for dirt and clean as needed.
7. Check housing for rust and repair as necessary.
8. Clean coil faces as needed.
9. Inspect condensate pan **monthly**; purge drain line as needed.

F. ELECTRIC MOTORS (Quarterly, except as noted)

1. Check motor mounting and tighten if necessary.
2. Check motor pulley for security, alignment and tighten if necessary.
3. Check bearing wear.
4. Check wiring and conduit for condition.
5. Check motor for excessive heat and noise.
6. Check air passages and windings (i.e., clean away dust).
7. Check starter and contacts.
8. Oil or grease motor bearing as required.
9. Measure current draw and record **every six (6) months.**

G. AIR FILTERS

Change filters when the pressure drop across the filters exceeds the recommended allowable pressure drop, or when the physical condition of the filter element warrants. The media used for replacement shall be equal to or shall exceed the efficiency rating of the original equipment. Some air handler units require charcoal charged elements. Filters will be charged to the City as materials.

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H. BOILERS AND/OR DOMESTIC HOT WATER SUPPLY (every six (6) months)

1. Check all mountings and fastenings for tightness.
2. Check hand holes and manholes for tightness.
3. Check boiler access doors and plates for leakage.
4. Check all control devices for proper operation.
5. Check safety relief valve.
6. Check flame safeguard relay for proper operation.
7. Check flue gas temperature.
8. Check boiler jacket insulation for deterioration and repair.
9. Inspect boiler base for signs of rust and repair.
10. Check boiler flue piping to chimney for leaks.
11. Clean and inspect firebox.
12. Re-seal inspection plates if needed.
13. Flush rust from water level control and boiler.
14. Check and clean water make-up valve.

I. CONDENSER WATER PUMPS (Quarterly)

1. Check pump head for operation, wear, etc.
2. Check mechanical seal or stuffing box for leaks.
3. Check motor and pump mounting. Tighten if needed.
4. Check attached piping insulation. Repair if necessary.
5. Check wiring and conduit for condition from motor to starter.
6. Check general condition for rust and re-paint if necessary.
7. Inspect all hand valves for leaks.
8. Check and lubricate motor and pump head bearings.
9. Check motor pump coupling for alignment, condition, and security to shaft.

J. CHILLED WATER PUMPS

Same as condenser water pumps, shown above.

K. COOLING TOWER

1. Drain and clean **annually.**
2. Lubricate motor and fan bearings **annually** and as needed.
3. Check/adjust V-belts **monthly;** replace as needed.
4. Check for proper operation **every six (6) months**.
5. Notify water treatment service contractor of water change.
6. Inspect/clean/adjust/lubricate/repair auxiliary filtering system **monthly**.

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L. WATER CHILLERS

1. Perform manufacturer recommended **annual** maintenance.
2. Perform manufacturer recommended **every six (6) months** maintenance.
3. Inspect/test safety and other associated sensors and equipment as recommended by manufacturer and/or according to industry standard.
4. Clean condenser tubes **every other year**. City will pay for gaskets as separate item.

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TERMS

1. This agreement does not obligate City to any particular amount of work to be completed by Contractor.
2. All employees of Contractor shall wear uniforms clearly identifying them as employees of Contractor at all times while on City premises for the purpose of completing work.
3. City reserves the right to halt work at any time for noncompliance with this agreement, or unsafe work conditions or practices.
4. Any changes to the original scope will need to be authorized by Project Manager before proceeding.
5. Contractor shall warranty all work for a minimum of ninety days after the completion of the work. Any work required to remedy problems with installation or materials shall be at the sole cost of Contractor within this ninety-day period.

COMPENSATION

6. City shall compensate Contractor at the rates set forth on the following page. Rates may be increased once every 12 months beginning January 1, 2027 in an amount not to exceed industry-standard rate increases. Any rate increase shall be submitted in writing to the Project Manager at least thirty (30) days before the rate increase takes effect.
7. City shall compensate Contractor for parts. Contractor shall provide parts to complete the agreed upon tasks at the best possible pricing and the parts shall not exceed published retail pricing unless authorized by City.
8. Contractor shall make reasonable efforts to use original equipment manufacturer (OEM) parts or comparable high quality/warrantable parts and materials.
9. All part/material warranties will be provided to City upon job completion. Contractor is responsible for warranty claims to their part/material vendors on any parts/material it installs.
10. Upon City's request only, Contractor must provide receipts or invoices for all parts/materials used in the services to verify parts/materials pricing.
11. Compensation for travel time is embedded in the unit rates listed below. Contractor shall not charge separately for travel time.
12. Expedited shipping costs on parts must be agreed upon by City before vendor places the order.
13. Contractor shall deliver all invoices via email to maintenance-request@livermoreca.gov.

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Cost for monthly HVAC Preventative Maintenance Services

$7,825 per Month

Includes normal, consumable maintenance supplies, i.e. lubricant, rags, solvents, cleaning solutions.

Cost for repairs to HVAC Systems in City-Owned Buildings

$135 Regular hourly rate*

**Applies during regular business hours of Monday to Friday, from 6:00am to 4:00pm, excluding holidays*.

$202.50 Overtime hourly rate**

***Applies during weekends, and between 4:00pm and 6:00am Monday to Friday.*

$270 Holiday hourly rate***

****Applies during the Holidays below as listed in Attachment C to the agreement:*

New Year's Day
Martin Luther King Day
President's Day
Memorial Day
Independence Day
Labor Day
Veteran's Day
Thanksgiving Day
Christmas Day
New Year's Eve

Cost of all materials plus 25% markup.

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EXHIBIT B

INSURANCE REQUIREMENTS

Minimum Scope and Limits of Insurance

Consultant/Contractor shall maintain limits no less than:

1. Commercial General Liability, including operations, products, and completed operations, as applicable:
   $5,000,000 per occurrence/**$10,000,000** aggregate for bodily injury, personal injury, and property damage. If Commercial General Liability or other form of insurance with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability:
   $2,000,000 per accident for bodily injury and property damage.
3. Workers' Compensation and Employer's Liability:
   Statutory limits as required by the State of California including **$1,000,000** Employers' Liability per accident, per employee for bodily injury or disease. A waiver of subrogation is required for Workers' Compensation insurance. If Consultant/Contractor is a sole proprietor, then they must sign "Contractor Release of Liability."

Deductibles and Self-Insured Retention

All self-insured retentions (SIR) must be disclosed to Risk Management for approval and shall not reduce the limits of liability. Policies containing any self-insured retention (SIR) provision shall provide, or be endorsed to provide, that the SIR may be satisfied by either the named insured or the City of Livermore. The City of Livermore reserves the right to obtain a full certified copy of any insurance policy and endorsements. Failure to exercise this right shall not constitute a waiver of right to exercise later.

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best rating of no less than A: VII and accepted to do business in the State of California, unless otherwise acceptable to the City of Livermore.

Other Insurance Provisions

The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. The City of Livermore, its officers, officials, employees, and designated volunteers are to be covered as additional insureds as respects: liability arising out of activities performed by or on behalf of the Consultant/Contractor; or automobiles owned, leased, hired or borrowed by the Consultant/Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the City of Livermore, its officers, officials, employees, or volunteers.

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2. The limits of insurance required in this agreement may be satisfied by a combination of primary and umbrella or excess insurance. The additional insured coverage under the Consultant's/Contractor's policy shall be primary and non-contributory and will not seek contribution from the City's insurance or self-insurance and shall be at least as broad as ISO Form CG 20 10 04 13. Any umbrella or excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and non-contributory basis for the benefit of the City of Livermore before the City's own insurance or self-insurance shall be called upon to protect it as a named insured.
3. Any failure to comply with reporting or other provisions of the policy, including breaches of warranties, shall not affect coverage provided to the City of Livermore, its officers, officials, employees, or volunteers.
4. The Consultant's/Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party before expiration of the policy unless notice is delivered in accordance with policy provisions.
6. It shall be a requirement under this agreement that any available insurance proceeds broader than, or in excess of, the specified minimum insurance coverage requirements and/or limits shall be available to the additional insured. Furthermore, the requirements for coverage and limits shall be (1) the minimum coverage and limits specified in this agreement; or (2) the broader coverage and maximum limits of coverage of any insurance policy or proceeds available to the named Insured; whichever is greater.
7. Certificate Holder section of the insurance certificate should read: City of Livermore, 1052 S. Livermore Avenue, Livermore, CA 94550

Verification of Coverage

Consultant/Contractor shall furnish certificates of insurance and endorsement(s) effecting coverage to the City of Livermore for approval. The endorsements shall be on forms acceptable to the City of Livermore. All certificates and endorsements are to be received and approved by the City of Livermore before work commences. The City of Livermore reserves the right to require complete and certified copies of all insurance policies required by this Agreement.

Docusign Envelope ID: 6FF22B73-8F61-4B76-BDED-2E82D7D3CC31

EXHIBIT C

CITY OF LIVERMORE REQUEST FOR PROPOSALS

DEPARTMENT OF INDUSTRIAL RELATIONS COMPLIANCE CERTIFICATION
Senate Bill 854

- No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].
- No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.
- This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

In accordance with California Labor Code as amended through Senate Bill SB 854, prior to commencement of the Contract, all Contractors are required to register, and maintain active registration throughout the duration of the contract with the California Department of Industrial Relations (DIR). For information regarding registration, please go to: http://www.dir.ca.gov/

I, the Bidder, certify that:

> "I am aware of the provisions of Senate Bill SB 854 and subsequent DIR regulations, which require Contractors/Vendors to comply with all labor compliance requirements including but not limited to prevailing wage requirements, Labor Code sections 1725.5, 1771.1(a), 1774-1776, 1777.5, 1813, 1815, Public Works Contractor Registration Program, Electronic Certified Payroll Records to Labor Commissioner, and other requirements described in the DIR website. I will comply with such provisions before commencing the performance of the work of this contract, and maintain compliance throughout the completion of said contract."

Shane Davis
Signature

12-4-2024
Date

SHANE DAVIS
Print Name

PRIME MECHANICAL SERVICE
Business Name

VP OF SERVICE
Title

819114
CSLB License Number

1000001-4804
DIR Registration Number

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 6.1**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Brent Smith, Community Development Director

SUBJECT: Hearing to consider a request for Vesting Tentative Tract Map, Site Plan Design Review and Conditional Use Permit to develop vacant land located at the northwest corner of the Collier Canyon Road and Constitution Drive intersection, with a residential project known as Cornerstone.

RECOMMENDED ACTION

Staff recommends the City Council adopt resolutions:

1. Finding that the project is exempt under the California Environmental Quality Act, in accordance with California Government Code Section 65457 and CEQA Guidelines Section 15182 (c), Projects Pursuant to a Specific Plan, and California Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183, Projects Consistent with a Community Plan, General Plan, or Zoning;
2. Approving Vesting Tentative Tract Map (VTTM) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, and Conditional Use Permit (CUP) 24-009, subject to the attached Conditions of Approval; the requested Density Bonus Waivers and Incentive/Concessions; and the No Net Loss findings; and
3. Directing the Planning Manager to file a Notice of Exemption, in accordance with the provisions of the California Environmental Quality Act, subject to project approval.

SUMMARY

The Isabel Neighborhood Specific Plan (Specific Plan) guides development in the northwestern part of Livermore. It seeks to create a complete neighborhood with a mix of uses that is walkable, bikeable, and served by transit. The City Council adopted the amended Specific Plan and its Supplemental Environmental Impact Report in November 2020. The proposed site and project are one of several new developments within the Specific Plan area.

The applicant proposes 253 residences, of which 143 units will be for-sale condominium units with six units affordable to moderate-income households, and 110 units will be for-rent units that will be

affordable to low-, lower, very low- and extremely low-income households. The project also includes a public neighborhood park, pocket park and pedestrian and bicycle path. The project site is shown on Attachment 2 and Attachment 3.

The project is consistent with the General Plan and will make progress towards meeting the City's current Regional Housing Needs Assessment (RHNA) housing unit allocation. The project implements the Specific Plan, is consistent with required development standards, and conforms to required design standards and guidelines. The use and density are consistent and compatible with surrounding properties and the Livermore Municipal Airport, the site is of a size and shape that can accommodate the use, and the project will be adequately served by all necessary utilities and services. The project conforms with the provisions of the California Housing Crisis Act and State density bonus law and is exempt from further California Environmental Quality Act review.

DISCUSSION

BACKGROUND

In November of 2020, the City Council adopted the amended Isabel Neighborhood Specific Plan (Specific Plan). The Specific Plan, which was originally adopted in 2018, covers approximately 1,138 acres in the northwest part of the City, surrounding the Isabel Avenue/Interstate-580 interchange. The Specific Plan allows and facilitates future land uses and public improvements in the Isabel Neighborhood to create a complete and vibrant neighborhood with a mix of housing, businesses, and community uses. The Isabel Neighborhood will address citywide goals by providing increased transportation options, housing choices, and supporting economic vitality. Residents and workers will have access to regional and local transit, a variety of amenities, and basic services for meeting daily needs, such as a grocery store and restaurants. The future Valley Link regional rail service will have a station in the I-580 median at Isabel with transit and pedestrian connections to the Isabel neighborhood.

The Specific Plan proposes development of a complete, transit-oriented neighborhood that includes up to approximately 4,095 new attached single-family and multi-family housing units, approximately 1,000 of which will be affordable housing units. In addition, the Specific Plan includes new office, business park, and commercial development (including a neighborhood commercial center), three new neighborhood parks, pedestrian and bicycle facilities, and infrastructure improvements. The Specific Plan is intended to streamline the City’s development review process for development of the type and character contemplated in the Specific Plan Area. However, all of the Plan’s development projects require review through the City's entitlement process. The Cornerstone project is the sole residential project in the Specific Plan Subarea 2d and meets the land use and density requirements of this subarea.

PROJECT DESCRIPTION

The proposed project would develop vacant land located northwest of the Collier Canyon Road and Constitution Drive intersection (APNs: 905-0015-026, 905-0015-027, 905-0015-028, 905-0015-029, and 905-0015-008), implementing the Isabel Neighborhood Specific Plan. The applicant, Cornerstone, proposes: (a) 253 residences, of which 143 units will be for-sale condominium units with six units affordable to moderate-income households, and 110 units will be for-rent units that will be affordable to low-, lower, very low- and extremely low-income households; (b) public open space areas including a neighborhood park along Constitution Drive, a pedestrian and bicycle path along Collier Canyon Creek connecting Collier Canyon Road with Constitution Drive, a pocket park along the project's new Collier

Canyon Creek path, and an off-site pedestrian and a bicycle path from the site to North Canyons Parkway (see Attachment 3, Sheet TM 3.0); and (c) street frontage landscaping and connections from units to public streets.

The applicant has submitted for relief under the Housing Crisis Act of 2019 (CA SB330) and Density Bonus under Government Code section 65915, including requesting two concessions and 11 waivers to: exceed the Scenic Corridor height limit for the five-story apartment building and some of the three-story townhomes, not evenly distribute the affordable units throughout the project, not have affordable units be comparable with market-rate units, and some minor deviations from design standards (see Attachment 1, Affordable Housing section of Planning Commission Staff Memorandum). In addition, a No Net Loss analysis was done in Attachment 1 consistent with state law which concluded the City's overall capacity for Lower-Income and Above Moderate-Income units is adequate to meet the Livermore's remaining RHNA allocation for the planning period. Therefore, there is no net loss (See Attachments 1 and 4).

The proposed project requires City Council approval of the following land use entitlements:

- Vesting Tentative Tract Map (SUB 22-006) to subdivide the property into 22 building lots, three lots for the public neighborhood park, pocket park, and path, numerous additional smaller lots for circulation and landscaping;
- Site Plan Design Review (SPDR 22-004) for review of the proposed site design, architecture, and landscaping;
- Conditional Use Permit (CUP 24-009) for grading that is within 150 feet of Collier Canyon Creek.

DESCRIPTION, CONTEXT, AND ANALYSIS

For a complete project description, site context, and analysis of applicable State and local standards, please review the attached Planning Commission Staff Memorandum (Attachment 1).

PLANNING COMMISSION AND PUBLIC COMMENT

On December 17, 2024, the Planning Commission considered the Project at a public hearing and unanimously voted to recommend the City Council approve the Project subject to minor modifications to the design of the pedestrian crossing at the intersection of Collier Canyon Road and Gateway Avenue. The Draft Planning Commission meeting minutes summarize the discussion (Attachment 5), which included public comments regarding the use of local labor for construction of the project.

The Planning Commission discussed the proposed zoning, environmental analysis, site plan, stormwater facilities, and anticipated community benefits.

Finally, the Planning Commission approved Consistency Determination (CD) 24-010 by Resolution No. 49-24, determining that the City's acquisition through dedication in-fee of approximately 2.5 acres of the project site for use as public park is consistent with General Plan policies (Attachment 6). A detailed analysis of the Consistency Determination is included in Attachment 1. The Planning Commission is the final review authority for Consistency Determinations, so the City Council does not need to act on that entitlement.

ENVIRONMENTAL DETERMINATION

As described in the Environmental Resolution, the project is exempt from the California Environmental Quality Act (CEQA) under Government Code 65457 and CEQA Guidelines Section 15182(c), which exempts residential projects that implement a Specific Plan and Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183, which exempts projects consistent with a Community Plan, General Plan, or Zoning.

FISCAL AND ADMINISTRATIVE IMPACTS

There are no significant fiscal or administrative impacts associated with the project. Staff time allocated to land use entitlement review is offset by required entitlement application fees. The incremental increase in demand for water, sewer, and stormwater services will be offset by required impact fees and utility connection fees. All new onsite streets, the pocket park, and landscaping will be privately maintained by the project's Homeowners' Association (HOA). As is Livermore's practice, onsite water and sewer lines would be maintained by the City, the costs of which would be covered by user fees. The project would also annex into the Isabel Neighborhood Specific Plan Community Facilities District to pay for offsite public improvements that will help serve the future residents of this project. In addition, the future public park acquired through in-fee dedication as part of the project will be improved by the developer and maintained by the Livermore Area Recreation and Parks District (LARPD), with no burden on the General Fund. Consistent with City policy, the developer will get park fee credits for qualified park improvements and land dedication.

COMMUNITY PILLAR

2: Economy that Prospers

GOAL

4: Implement the Isabel Neighborhood Specific Plan

GUIDING DOCUMENTS

General Plan
Isabel Neighborhood Specific Plan
Development Code
Citywide Design Standards and Guidelines

ATTACHMENTS

1. Planning Commission Staff Analysis Memorandum
2. Location Maps
3. Development Plans
4. Summary of No Net Loss
5. Draft Planning Commission Minutes 12-17-24
6. Planning Commission Consistency Determination Resolution
7. Resolution - Environmental
8. Exhibit A - Planning Commission Environmental Resolution
9. Exhibit B - Initial Study

10. Resolution - Project
11. Exhibit A - Planning Commission Project Resolution
12. Exhibit B - Conditions of Approval

Prepared by: Emily LaDue
Assistant Planner

Approved by:



Marianna Marysheva
City Manager

Fiscal Review by:



Tina Olson
Administrative Services Director

LIVERMORE
CALIFORNIA

PLANNING COMMISSION STAFF MEMORANDUM

TO: Chairperson Anderson and
Members of the Planning Commission

PREPARED BY: Emily LaDue, Assistant Planner
Vernon Umetsu, Contract Planner

REVIEWED BY: Stephen Riley, Planning Manager

DATE: December 17, 2024

SUBJECT: Vesting Tentative Tract Map (Map) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, Conditional Use Permit (CUP) 24-009 and Consistency Determination (CD) 24-010 for 143 for-sale condominium residential units and two (2) market rate apartments and 108 for-rent affordable apartments that will rent at prices that are: low, lower-, very low and extremely low; at the northwest corner of Collier Canyon Road and Constitution Drive. The project is known as Cornerstone.

PROJECT DESCRIPTION

The proposed project would develop the vacant, 13.09-acre lot at the northwest corner of Collier Canyon Road and Constitution Drive with a total 253 residential units (units). The proposed Development Plans for the subdivision, architecture, and landscaping are shown in Attachment 3 to this staff report.

There are 143, for-sale townhomes in 21 buildings that have four to nine units in each building. The townhomes have three architectural styles, and range in size from 922 to 2,004 square feet, have front porches and decks, and attached, two-car garages (except that three units have one-car garages).

There are 110 for-rent apartments in one, T-shaped building with five stories. Apartment units are designed as one-story flats, that range in size from 411 square feet to 1,079 square feet. Parking is provided on the first floor as 87 podium parking spaces, and 17 uncovered spaces.

Of the proposed 253 units, 114 will be deed-restricted affordable units. Six of the for-sale townhome units will be priced for moderate income households (making 120% of the Area Median Income), with the remainder sold at market rate. Of the 110 for-rent apartments, 108 will be affordable units[1] with rental prices as follows:

- 20% of units to be priced for Low-income households making 80% of the Area Median Income
- 60%of units to be priced for Lower-income households making 60% of the Area Median Income
- 10% of units to be priced for Very Low-income households making 50% of the Area Median Income and
- 10% of units to be priced for Extremely Low-income households making 30% of the Area Median Income.

The project will improve and dedicate four areas for park and recreation uses as shown on Attachment 3 of the staff report, as summarized below:

1. A 2.53-acre parcel will be improved and dedicated to the City and managed by the LAPRD, as a public park along Constitution Drive. Amenities include walking paths, picnic areas, a play area, and a multipurpose lawn. This park area includes the existing property owner's offer to dedicate an approximately 50-foot-wide strip to allow the widening of I-580 for the future Valley Link regional rail project.

2. A pocket park with a public access easement on Parcel J (in the northwest corner of the site adjacent to Collier Creek) will be improved with bike parking, a community garden area, and optional play area.

3. A public 1,490-foot-long trail easement along Collier Creek will be improved to link Constitution Drive in the southwest property corner with Collier Canyon Road on the property's northeast corner that will also be extended off-site, to North Canyons Parkway.

4. An easement for a future pedestrian/bicycle bridge across Collier Creek, and a $200,000 contribution as the project's fair share portion of the cost of the bridge across Collier Canyon Creek per the attached Conditions of Approval (Attachment 11), and

5. Street improvements along Collier Canyon Road and Constitution Drive, including marked on street parking and potentially improved bicycle infrastructure.

The proposed project requires approval of the following entitlement applications:

- Vesting Tentative Tract Map 8669 (SUB 22-006), which subdivides the property and establishes the site grading, circulation and supporting infrastructure.

[1] Two units will be occupied by on-site managers as market rate units.

- Site Plan Design Review (SPDR) 22-004, for review of the proposed site design, architecture and landscaping,

- Conditional Use Permit (CUP) 24-009, to review proposed grading that is within 150 feet of the Collier Canyon Creek top of bank, and

- Consistency Determination (CD) 24-010, to determine if the City's in-fee acquisition of the 2.53-acre Parcel M of SUB 22-006, is consistent with the General Plan.

The State of California encourages the production of affordable housing through its Density Bonus statute [California Government Code Section 65915-65918]. These provisions are for projects with a certain percentage of units for low- to extremely low-income households. Staff has determined that this project qualifies for the requested two concessions and eleven waivers from City development standards, to allow the project to be built at the proposed density. The concessions are: (a) to allow 108 affordable units to be in the one apartment building and (b) to allow affordable units to be concentrated in the rental apartment building instead of dispersed through the rental units and the for-sale units.. Four waivers are related to building design and view protection, and seven waivers are related to comparability of the affordable for-rent and for-sale units with the for-sale market rate units. Since the concessions and waivers do not compromise health and safety or violate State or Federal law, the concessions and waivers must be granted. Attachment 3 to the staff report (Development Plans) shows the project with the requested waivers.

PROJECT SITE CONTEXT

The Cornerstone site is a vacant, 13.09-acre parcel, that is located at the northwest corner of Collier Canyon Road and Constitution Drive as shown in Attachment 2 to the staff report – Site Location. Photos of the site and surrounding areas are shown in Attachment 3 and Attachment 2. The site is a grassland field with 39 protected trees in the north portion of the site, and the Collier Canyon Creek along the west and north boundary. The site is largely flat except for the Collier Canyon Creek banks.

The site is generally bounded by Constitution Drive and I-580 on the south and business park and office uses on all other sides, with Collier Canyon Creek flowing through the north and west property lines. The following table summarizes the General Plan land use designation, current zoning classification, and existing land use on the subject property and surrounding properties.

Table 1: Project Site Context

	General Plan Designation	Current Zoning Classification	Existing Land Use (Refer to Attachment 3 and Attachment 2, Figure 1)
Subject Site	Isabel Neighborhood	Isabel Neighborhood Specific Plan shows 3 zones on this site per INSP Ch. 2, Figure 2-1: (1) Village and (2) Center zones for this parcel are to have a combined minimum 200 units and a maximum 286 units (INSP Ch. 2, Figure 2-3 and Table 2-6 for Subarea 2d) and (3) Open Space - New Neighborhood Park/Plaza	Vacant
North	Isabel Neighborhood	Isabel Neighborhood Specific Plan: Office	Collier Canyon Creek then offices beyond
South	Isabel Neighborhood	Isabel Neighborhood Specific Plan: Existing Street and Valley Link beyond	Constitution Drive and I-580/Valley Link alignment
East	Isabel Neighborhood	Isabel Neighborhood Specific Plan: Office Core, Village (25-40 du/ac) Business Park	Collier Canyon Road, then office and business park beyond and the approved future Isable Crossing mixed use project.
West	Isabel Neighborhood	Isabel Neighborhood Specific Plan: Open Space (Collier Canyon Creek) then Office and Business Park	Collier Canyon Creek then office and business park beyond

STAFF ANALYSIS

General Plan

The project site has a General Plan land use designation of Isabel Neighborhood Specific Plan. The Isabel Neighborhood Specific Plan seeks to create a safe, vibrant, complete neighborhood; ensure that new development is compatible with existing

development and community character; and support transit ridership and citywide goals for increased transportation options and housing choices (Livermore General Plan Land Use Element, p. 3-23). The proposal to develop the project site with a residential use is consistent with the "Village" and "Center" land use designations, with the proposed public parks per the Open Space designation and implements the General Plan goals for the Isabel Neighborhood.

The proposal supports the Land Use Element and the 2023-2031 Housing Element to develop housing for all income levels, on a location that is near major transit stops by:

1. Providing 253 housing units for all income levels within 1/4-mile of a major bus transit stop (Route 30R) at the intersection of Triad Drive and North Canyons Parkway

2. Provide 108 rental apartments that are priced for affordability to low, lower, very low, and extremely low-income households as discussed in Project Description (above),

3. Increase the housing options within Livermore by providing a mix of smaller, affordable, residential rental unit sizes (411, 547, and 791 square-foot units per Attachment 3), and

4. Provide 143 for sale townhome condominiums, six of which are priced for affordability to moderate-income households.

The Applicant would increase alternative transportation options by providing a landscaped parkway and sidewalk on Collier Canyon Road. The project would also provide a new, lighted, pervious, hard-surface pedestrian and bicycle path along Collier Canyon Creek, to join Constitution Drive and Collier Canyon Road, and extend to North Canyons Parkway per the attached Conditions of Approval. Previously dedicated right-of-way and utility easements along the streets would remain and no new street-facing road and utility easements are needed.

The project will also be providing open space/park dedications and improvements which, in combination, will exceed the common open space area required per the Isabel Neighborhood Specific Plan for a 3-acre, neighborhood park (INSP Chapter 4 (pg. 4-6)), and the 18,975 sq. ft. of Common Open Space required per INSP Chapter 4, Table 2-2. The proposed public common open space improvements are described below:

1. A new 2.3-acre, neighborhood park is identified at the south end of the development in INSP Chapter 4 (pg. 4-6). The project will build this park along Constitution Drive, as located on Parcel M of Attachment 3. A conceptual park design is shown on Attachment 3. The park area will be reduced by approximately 50 feet for the future relocation of Constitution Drive, as needed to build the Valley Link rail system along I-580.

2. A new, 0.4-acre, pocket park with public access will also be built on Parcel J. A conceptual park design is shown in Attachment 3.

3. Along Collier Canyon Creek: the project will provide a new, minimum 10-foot wide by 1,490-foot long, lighted, multi-use trail that connects Constitution Drive with Collier Canyon Road, and extends off-site to North Canyon Parkway.

4. An easement for a future bridge crossing of Collier Canyon Creek will be dedicated per INSP Chapter 4, Figure 4-1 (pg. 4-8) and Chapter 3, Figure 3-12 (pg. 3-13). In addition, the Applicant will be conditioned to provide a $200,000 fair share contribution towards the future construction cost of the bridge across Collier Canyon Creek, per Pedestrian and Bike Bridge C-14 in INSP Chapter 3, Figure 3-12 (pg. 3-13), and Chapter 4, Figurer 4-1 (pg. 4-7). This public improvement is similar to the requirement to build the neighborhood park and public road improvements that serve the area, which are identified in the General Plan and Specific Plans.

The General Plan Community Character Element and INSP Chapter 5 contains objectives and policies to encourage high quality design that enhances Livermore's urban design quality, prohibits exterior facades with minimal detailing, and ensures compatibility with existing development. The proposed project achieves these objectives and policies by providing three different townhome architectural styles - Farmhouse, Craftsman, and Regency, with detailing that includes inset windows, extruded porches, wall articulation, and colors and materials changes to support the wall articulation and architectural details (see Attachment 3). Similar building articulation, colors and materials changes, and window fenestration is provided as part of the apartment building's mix of more contemporary building wall architecture and traditional, sloped roof with gables (see colored building perspectives on Attachment 3). The project's streetscape with trees on Collier Canyon Road, and the Neighborhood Park along Constitution Drive are shown in Attachment 3.

The project implements policies in the Climate Change Element. For example, the project provides residences near existing job centers and within 1/4-mile walking distance of LAVTA transit service (Route 30R) at Triad Drive and North Canyons Parkway, and extends a permeable, hard-surface, off-site path next to the off-site sidewalk, as an enhanced link from the project site to North Canyons Parkway and the transit stop beyond. The project also complies with City requirements for water conservation and energy efficiency and implements Climate Best Management Practices by providing waste stream separation (e.g., recycling and yard waste containers), and use of reclaimed water for landscape irrigation. Electric vehicle charging stations will be provided in both the townhome garages and apartment building parking, 2 chargers per garage and 13 stalls respectively. The combined surface parking for both the townhomes and the apartments will provide 37 EV stalls.

No Net Loss Law

California Government Code Section 65863 establishes the state's No Net Loss standards (summary attached as Attachment 4). Generally, the standards require that:

1. Each local jurisdiction's Housing Element Sites Inventory accommodates all required RHNA units at all times.

2. If the City approves a Project that contains less units than anticipated in the Sites Inventory, or modifies the Zoning to allow for less units than anticipated in the Sites Inventory, then the Sites Inventory must have enough remaining sites/units to accommodate the jurisdiction's RHNA requirement for all required affordability levels. Or, if there are not enough units in the remaining Sites Inventory to accommodate the RHNA requirements, then the City must increase the amount of residential units permitted (aka "upzoning") elsewhere in the City to satisfy the RHNA requirement.

The project would subdivide and develop six existing parcels, all of which are identified in the Housing Element's Site Inventory. Together, the Site Inventory identifies these parcels' development capacity at 173 lower-income units and 177 above moderate-income units.

Although the project exceeds the required percentage of affordable units as described in the affordable housing section of this report, the project provides 108 lower income units compared to Housing Element's assumed 173 lower-income units, resulting in a 65-unit deficit. The project provides 139 above moderate units compared to the 177 Above Moderate-Income units assumed in the Housing Element Sites Inventory, resulting in a 38-unit deficit. However, based on the Site Inventory and housing projects approved within the 2023-2031 RHNA Cycle, the City currently has a surplus of 120 Lower Income units, 264 Moderate Income units, and 804 Above Moderate units. This surplus is sufficient to offset the project deficit and result in an overall City surplus as shown in the table below:

	Lower Income	Moderate Income	Above Moderate
Housing Element Sites Inventory RHNA Requirement for the Cornerstone project site	173	0	177
Proposed Cornerstone Project	108	6	139
Housing Element/Approved Project Surplus	120	264	804
Net Difference and City-wide surplus compared to RHNA allocation.	+55	+270	+766

Per the findings in the attached project resolution, the City's overall capacity for Lower-Income and Above Moderate-Income units is adequate to meet the jurisdiction's remaining RHNA allocation for the planning period. Therefore, there is no net loss.

<u>Isabel Neighborhood Specific Plan</u>

Use and Density

The two residential zones located on this project site are shown in Attachment 2 to the staff report. The proposed three-story townhome units are proposed for the site area zoned as Village, to be consistent with that zoning designation. Similarly, the proposed five-story apartment building is proposed for the site area zoned Center, to be consistent with that zoning designation.

The Isabel Neighborhood Specific Plan (INSP) establishes minimum and maximum densities in each subarea in order to appropriately manage growth and ensure adequate housing supply. The project site is in INSP Subarea 2d, with the site having zoning of: (a) Center (40-60 dwellings/acre), (b) Village (25-40 dwellings/acre), and (c) Open Space - New Neighborhood Park/Plaza. The proposed 253 housing units are between the minimum required 200 units and the maximum allowed 286 units (INSP, Chapter 2, Table 2-6). Therefore, the proposed 143 townhomes and 110 apartments are consistent with the INSP density envisioned for this site.

Policies

The project is consistent with the policies established in the Specific Plan, including:

- P-LU-6: Ensure that land uses are compatible with existing residential uses and minimize conflicts between adjacent land uses with respect to scale, safety, noise, privacy, and other potential nuisances and hazards.

- P-LU-17: Ensure that all new development provides ample landscaped areas, private open space, common open space, and publicly accessible open space. Up to 10 percent of the common area requirement may be satisfied through the provision of common indoor areas.

- P-LU-22: Site plans must incorporate pathways to the larger street network, and, where feasible, the open space and trails network.

- P-LU-30: Each product type within new residential developments shall provide at least two-unit types which differ in the number of bedrooms.

- G-TRA-2: Establish a comfortable, safe, and efficient network for pedestrians and bicyclists.

The project is compatible with the surrounding office and business park uses that are beyond the adjacent streets and Collier Canyon Creek, exceeds required landscaping and publicly accessible common open space, provides pedestrian pathways as well as a new, lighted pedestrian and bicycle path along Collier Canyon Creek from the project's interior to adjacent streets and a trail extension on Collier Canyon Road off-site to North Canyons Parkway, and provides townhomes and apartments with floor plans ranging from studio to four bedroom unit types. These proposed improvements are shown in Attachment 3 and discussed in Project Description.

Livermore Municipal Airport

The Livermore Municipal Airport is located approximately 1/2-mile south of the project site. In order to protect the airport's operations and to ensure safety and compatibility of surrounding uses, the County established the Livermore Airport Land Use Compatibility Plan (Compatibility Plan). The Compatibility Plan applies to all properties within the Airport Influence Area, which generally extends from Santa Rita Road to North Livermore Avenue, and from Stanley Boulevard to north of the City Boundary.

A majority of the Isabel Neighborhood is located within the designated Airport Influence Area, including the project site. During its adoption, the Specific Plan was found to be consistent with the Compatibility Plan with respect to building heights, uses, and noise levels. Given that the project is within the allowed density and use of the Specific Plan, it is also consistent with the Compatibility Plan. However, both the Compatibility Plan and Specific Plan require the provision of avigation easements and buyer awareness measures for properties within the Influence Area [INSP P-ENV-1]. The Engineering conditions of approval include the avigation easement requirements. To ensure airport operations remain protected and property owners remain informed about potential noise impacts, staff also recommends the following Condition:

> **Recommended Condition:** Prior to occupancy, applicant shall record the deed notification provided in the Livermore Executive Airport - Airport Land Use Compatibility Plan, Chapter 3.3.4.6, on the property for which this discretionary development permit is issued, as follows:
>
> *NOTICE OF AIRPORT IN VICINITY*
>
> *This property is presently located in the vicinity of an airport, within what is known as an airport influence area. For that reason, the property may be subject to some of the annoyances or inconveniences associated with proximity to airport operations (for example: noise, vibration, or odors). Individual sensitivities to those annoyances can vary from person to person. You may wish to consider what airport annoyances, if any, are associated with the property before you complete your purchase and determine whether they are acceptable to you.*

The Specific Plan also contains development standards that regulate height, setbacks, and bulk, which are discussed further in the Site Plan Design Review section of this report.

<u>Subdivision - Vesting Tentative Tract Map 8669</u>

Lot Size and Residential Condominiums

The proposed Vesting Tentative Tract Map 8669 (Map) will subdivide the existing 13.09-acre vacant parcel into a total of 22 numbered building lots. Lettered Parcels J, L, and M will be used for publicly accessible open space lots and remaining lettered lots will be used for interior streets. All lots are shown on Attachment 3.

The Specific Plan does not establish minimum or maximum residential lot sizes or dimensions. However, for reference, the lots range in size from Lot 17 with 0.15 acre for a four-plex townhome, to Lot 22 with 1.66 acres for the 110-unit apartment building. The residential lots are of a typical size and shape for condominium style multifamily housing and can adequately accommodate the use. The proposed Map includes all shared common and open space areas and private trash collection areas (i.e. within townhome garages and the podium parking enclosure), as required by Livermore's Subdivision Ordinance. A Map will be filed with the State of California Department of Real Estate if the entitlement is approved, pursuant to State standards.

Circulation, Streets, and Traffic

Project vehicular connections to the public streets and on-site driveways are shown on Attachment 3. Two project driveways provide vehicle access onto Collier Canyon Road. All parcels would have access to the public right-of-way via two new driveways, in conformance with Livermore's Development Code and the State Subdivision Map Act. All new driveways would have a minimum 26-foot width, which exceeds the minimum dimensions established by the Development Code and City Standard Details and would be privately maintained by the project's Homeowners' Association (HOA).

A sidewalk would be built along Collier Canyon Road with a 5-foot-wide parkway and 5-foot-wide sidewalk. In addition, an off-site hard-surface public trail along Collier Canyon Road, from the north end of the project site to North Canyons Parkway, will be designed and built. The existing, 5-foot-wide sidewalk on Constitution Drive will remain. It will be rebuilt when this street is relocated as part of the Valley Link rail line construction.

On-site pedestrian and bicycle paths as well as pedestrian-only paths connect residences with the adjacent streets and the common/public open space, parks, trails and future pedestrian and bike bridge over Collier Canyon Creek.

Proposed sidewalks will meet both Livermore development standards and the Americans with Disabilities Act (ADA). The proposed sidewalks thus promote a strong project connection between public and private areas per City Design Standards and Guidelines.

Alternative Transportation

The City maintains an Active Transportation Plan (ATP) that identifies existing and proposed, required trails and bike lanes throughout the City, and identifies key locations for new bicycle lane and trail segments, in order to promote connectivity and encourage use of alternative modes of transportation. As stated in the ATP, Specific Plan standards with respect to active transportation take precedence in the Isabel Neighborhood.

The project will build a new, lighted pedestrian and bicycle trail along Collier Canyon Creek, that links Constitution Drive with Collier Canyon Road. Per Pedestrian and Bike Bridge C-14 in INSP Chapter 3, Figure 3-12 (pg. 3-13), the applicant will dedicate an easement across Collier Canyon Creek and contribute $200,000 towards building a

future bridge across the Creek. In addition, the project will design and build an off-site public trail next to the existing sidewalk along Collier Canyon Road, from the north end of the project site to North Canyons Parkway. The path and sidewalk will provide an improved pedestrian link from the project site to the bus transit stops at Triad Drive and North Canyons Parkway.

Bicycle lanes on both Collier Canyon Road and Constitution Drive are Existing Class II, in Chapter 2, Figure 3-15 (INSP Bicycle Circulation Plan). No change to the existing bicycle lane on Constitution Drive is proposed due to this street's pending relocation for construction due to the Valley Link rail line construction. In addition, there is a condition of approval to maintain the bike lane to the extent feasible on Collier Canyon Road while also adding marked parking spaces on that street. Finally, the applicant will install a new east-west crosswalk across the intersection of Collier Canyon Road and Gateway Avenue that will provide a safe connection to the core of the INSP and the future Valley Link station.

Parking

The INSP establishes vehicular parking requirements INSP Chapter 3, Table 3-2 (pg. 3-26). However, State regulations over-ride local regulations as discussed in Project Description above[2]. Per Government Code (GC) Section 65915(p)(2)(A): the City may not require more than 0.5 parking spaces for all project units (but the applicant can choose to provide more spaces). This reduced development standard is a State-mandated Density Bonus development standard that replaces all local parking standards.

The project meets the State required parking standards for the proposed for townhomes and apartments as follows:

1. Townhomes: One-hundred forty (140) townhome units have 2 garage spaces per unit (280 spaces), three townhome units have one garage space per unit, and 19 uncovered guest parking spaces, and one handicapped parking space are provided for a total of 303 parking spaces.

2. Apartments: The 110 apartment units are provided with 104 parking spaces. This parking consists of 75 stacker spaces and 29 single spaces. All spaces are within the podium parking garage except for 17 outside spaces.

[2] In the specific case of parking, only units that are affordable by lower-income households or below can be used to qualify for parking waivers. The project also provides an additional 22 units that are affordable to low-income households (i.e., that have a higher income limit than lower-income households). This project has 66 lower-income units, 11 very-low-income units, and 11 extremely low income units (see Project Description). The project therefore provides 88 units that are affordable to lower-income households or below, out of 253 total project units, or 34.8%. The project thus provides over 20% of its units affordable to lower income households and qualifies for reduced parking that the City must approve.

The proposed 407 parking spaces for 253 residences, is a minimum 1.60 spaces per unit. The minimum State required parking at 0.5 spaces per unit is thus met.

Utilities, Services, and Infrastructure

The Infrastructure and Public Services element of the General Plan and the City's Subdivision ordinance require that all new developments provide adequate utilities and services such as water conveyance, sewer conveyance, and urban fire protection. The Specific Plan EIR found that at Specific Plan buildout, the City's existing utility and service systems would have adequate capacity to serve all new development in the Isabel Neighborhood. The project density is within the range contemplated by the Specific Plan. Therefore, existing utility and service systems will have sufficient capacity to serve the project.

On-site utility improvements are shown on Attachment 3. All on-site utilities, services and infrastructure will meet City of Livermore development standards as illustrated below:

1. Emergency service access will be provided from two driveways on Collier Canyon Road, minimum 26-foot-wide driveways and roof access to the five-story apartment building is provided,

2. Water, Sewer, and Power will be provided from lines along Collier Canyon Road, and

3. Trash and recycling containers will be located in garages for townhomes. Apartments will have trash and recycling containers in a common area in the podium parking structure. The trash service plan shows how both the townhome units and apartment building will be served (Attachment 3).

Grading and Soils

The applicant has provided: (a) a grading plan, (b) a geotechnical report that shows no hazardous conditions on site, with recommended construction measures to ensure that the proposed buildings will meet California Building Code standards that will be implemented during building permit plan review as is normally done, and (c) a Phase I environmental assessment which shows no hazardous contamination. The site is relatively flat, except for the steeper banks of Collier Canyon Creek.

The City Engineer has found the grading plan to meet all City grading standards, the geotechnical report has found the site suitable for development, and the Phase I study has not identified any potential subsurface hazards.

<u>Site Plan Design Review</u>

The Isabel Neighborhood Specific Plan establishes residential development standards that regulate height, setbacks, and design standards and guidelines that regulate design for all sites within the plan area. The City also utilizes citywide Design Standards and Guidelines that generally apply to all residential projects throughout Livermore. The project complies

with the development standards for the Specific Plan's Center and Village areas and the residential Design Standards and Guidelines (subject to Density Bonus waivers) as described below.

Development Standards

Development Criteria INSP Ch. 2 Village Area	INSP Standard	Proposed	Analysis
Height (INSP Table 2-2)			
Minimum height	Two stories for the Village and Center zones	Townhomes in the Village zone will be three stories high and the apartment building in the Center zone will be five feet high	Complies
Maximum height	Three stories in the Village zone and five stories in the Center zone. Maximum heights and compliance with the City's Scenic Corridor policy are not applicable as a waiver from maximum building heights has been requested and must be granted (see Project Description)	Townhomes in the Village zone will be three stories. The apartment building in the Center zone will be five stories and 61 feet to the roof ridge, with several nine-foot-high roof accessory structures for a total of 70 feet.	Complies based on State waiver
Setbacks (INSP Table 2-2)			
Front setback facing major streets	20 feet minimum for buildings	No adjacent major streets	Complies

Development Criteria INSP Ch. 2 Village Area	INSP Standard	Proposed	Analysis
Setback facing all other streets	10 feet minimum from Collier Canyon Road from Constitution Drive	Both Collier Canyon Road and Constitution Drive are Neighborhood Streets. The setback from Collier Canyon Road is 35 feet. The setback for Constitution Drive from the right-of-way dedication line (50 ft. in from the existing property line is over 115 feet.	Complies
Interior Setback (side/ rear)	Min. 15 ft. where abutting existing residential uses; otherwise, Min. 5 ft. for first and second stories; Min. 10 ft. for third story and above	The project does not abut residential use. The minimum interior setback is over 40 feet from the north side of the apartment building toward the property line along Collier Canyon Creek	Complies
Building Separation	Min. 10 ft. separation between primary windows (living, dining, bedroom) of residential units. Porches facing each other must be separated by minimum 15 feet along paseos.	Minimum porch separation is 15 feet.	Complies
Common Open Space	75 sq. ft. per unit. 10-foot dimension in any direction = 18,975 sq. ft. (0.44-ac.), which will be part of the 3-acre Neighborhood Park	In combination, the neighborhood park (2.53-ac.), the pocket park (0.4-ac.) and the new, lighted, 1,490-ft. long, public trail along Collier Canyon Creek (0.34-ac), will meet this standard. In addition, the applicant will build a sidewalk/trail extension from the north end of their new sidewalk on Collier Canyon Road, northward to join the sidewalk and public trail on North Canyons Parkway.	Complies
	Village (for townhomes)	Over 100 sq. ft. per unit in front porch and second floor balconies.	Complies

Development Criteria INSP Ch. 2 Village Area	INSP Standard	Proposed	Analysis
Private Open Space	75 sq. ft. per unit. Total for 143 units = 10,075 sq. ft.		
	Center (for apartment bldg.) 50 sq. ft. per unit. Total for 110 units = 5,500 sq. ft.	State Density Bonus waiver requested and granted. No private open space provided. A common outdoor amenity area is provided on the second floor of the apartment building for the residents. Note that the apartment building is also adjacent to a 17,424 sq. ft. pocket park	Complies based on State waiver
Minimum On-site Landscaping	16 Trees per acre for the 13.09-acre site = 210 trees	The project would provide 284 trees	Complies
Protected Trees	Protected trees that are to be removed to be replaced per the Livermore Municipal Code Section 12.20.230.B.2.	The project meets the required tree replacement ratio.	Complies

Design Standards and Guidelines

Compatibility, Siting, and Massing

The citywide Design Standards and Guidelines (DSG) contain design requirements for new development. The DSG aims to create new development that is compatible with existing development, yet is sited properly and broken down into subparts, as follows:

- B.2.1.5 Building design should respect the predominant characteristics of neighborhood development, such as height, massing, setbacks, materials and architectural style.
- B.2.2.1 Planting strips between the sidewalk and the back of the curb are strongly encouraged. They should be a minimum of 5 feet in width.
- B.3.1.1 Neighborhood open space should be located to maximize its visual and functional benefits.
- B.6.2.1 Whenever possible, parking lots should be located behind residential

structures, rather than along the primary frontage, to minimize visual impact to the street.

- C.1.1.2 Building massing should be varied by employing a variety of techniques, such as recessed porches, bay windows, dormers and varying planes or setbacks.
- C.1.2.1 The massing of larger residential buildings shall be broken down to convey a sense of “home” and give individuality to each unit that lies within it.
- C.1.2.3 Façades of long buildings shall be architecturally subdivided into shorter segments every 25 to 50 feet maximum

Along Collier Canyon Road, the proposed, three-story townhomes would have a street facade of four townhome buildings with six units each (131 ft.), an 18-ft. building separation with trees between buildings, and setbacks of 35 ft. with a double row of trees that are planted on both sides of the parkway sidewalk – a double row of trees is an INSP design standard. The proposed apartment building is located in the northern portion of the site. It is 296 feet long, five-stories high (61-ft.), and setback 13.5 ft. behind a similar double row of trees (see Attachment 3). The townhomes are compatible with the 20 to 24 foot high, modern, business park buildings across Collier Canyon Road due to the townhome setbacks and intervening landscaping.

The six-plex townhomes along Collier Canyon Road are architecturally separated into individual units using wall articulation, extruded porch and balcony structures, material and color changes, and detailing. The porches provide a transition from semi-public walkways to semi-private entrance spaces.

The 296-foot-long apartment building is visually separated into three segments that are loosely related to the three pairs of extruded, gable-topped columns, different wall textures between columns, and wall colors that are distinct for each segment (white for the south, darker for the center, and a mix for the north). The 17-foot-high podium parking level forms a dark (heavier) horizontal base that helps to unify the building.

Based on the above, the proposed project respects the neighborhood's development, uses landscaping to minimize the visual impact on the street, and visually reduces building mass by using wall articulation and massing elements, materials and colors. An important element to providing a compatible transition from the street to the project buildings is tree size at installation. Staff recommends that all trees on each side of the Collier Canyon Road sidewalk, at the driveway entries, and the front tree between the buildings facing the public street, be a minimum 24-inch box size with a minimum 8-foot height and not 15-gallon (i.e., 3-4 feet high) as shown in the Conditions of Approval.

Architecture, Colors and Materials

The Specific Plan Design Standards and Guidelines call for traditional or contemporary variations of architectural designs and building materials. Preferred materials are to be durable and generally include stucco, stone, wood, and metal. In addition, the Planning

Commission had previously expressed a desire for incorporating traditional elements into the Specific Plan's contemporary design direction.

The INSP Design Standards and Guidelines aim to create developments with high-quality architectural style, rich materials, and compatible colors, as follows:

- INSP-DS-30: Development shall include a variety of architectural styles, emphasizing contemporary designs and building materials.
- INSP-DS-74: The design of townhomes must be articulated such that individual units are differentiated from each other.
- DSG 1.2.4: Each vertical module of units shall incorporate architectural features that help to individually distinguish them, such as wall breaks, projections, distinct color schemes and individual roof treatments.
- DSG-4.1.2: Windows shall be used as architectural elements that add relief to the façade and wall surface.
- DSG-6.1.1: A variety of materials shall be used that emphasize a differentiation between the various components of the building.
- DSG-7.1.1: Exterior building colors should be compatible with the surrounding neighborhood setting and should be in keeping with the geographic and climatic conditions specific to Livermore

The project proposes two product types: three-story townhomes and a five-story (61-ft.) larger apartment building. Townhomes have more traditional architectural styles: Craftsman, Farmhouse and Regency. Each townhome unit is individualized using wall articulation, extruded porch and balcony structures, material and color changes, and detailing. This is illustrated in the longest row of nine townhome units on Attachment 3.

The five-story apartment building has a more modern design with some traditional design elements. Residential finish materials are used such as the smooth vertical panels at the extruded, gable-topped columns and "stone" panels to create visual breaks along the building's length.

Based on the above, architectural shapes, materials, and color have been used to create a project with buildings that differentiate between their various components, have a design richness, and reflect the design requirements of the Specific Plan and the city-wide Design Standards and Guidelines.

Landscape Design

The Design Standards and Guidelines and Specific Plan contain landscape standards related to trees, shrubs, and groundcovers. The standards establish minimum quantity, size, and locational parameters, as follows:

- DSG-1.4.1.a: At time of installation, trees should be a minimum 15-gallon pot size or 6 feet tall and have a one-inch caliper size at chest height, whichever is greater.
- DSG-1.4.1.b: At time of installation, all street trees should be 24-inch box size and comply with the City of Livermore Standard Details.

- DSG-1.4.1.c: At time of installation, twenty percent of all trees should have a 24-inch box container size or larger.
- DSG-1.4.1.d: At time of installation, shrubs should have a minimum 5-gallon pot size.
- INSP-Table 2-2: Minimum on-site landscaping is 16 trees per acre.

The project's landscape plan includes a mix of trees, shrubs, grasses, and groundcovers. The Overall Landscape Plan is shown in Attachment 3. The streetscape reflects a proposed parkway sidewalk with a row of trees on each side on the Collier Canyon Road, and the new neighborhood park on Constitution Drive. Staff recommends a Condition that all trees facing Collier Canyon Road be at least 24-inch box size to provide an effective transition from surroundings to site buildings (see Conditions of Approval).

All landscaping associated with the project will be maintained by the project's future Homeowners Association (HOA). The proposed trees and shrubs will create a welcoming and comfortable outdoor space and, as conditioned, are consistent with the citywide Design Standards and Guidelines and the Specific Plan.

Fencing, Walls, Public Art, and Signage

There is no fencing proposed on site. The applicant is choosing to pay the Art in Public Places in-lieu fee instead of providing art on site, which is allowed by the Municipal Code. Signage will be reviewed with building permit plans or later for consistency with the Isabel Neighborhood Specific Plan all other City regulations, per Conditions of Approval.

Conditional Use Permit CUP24-009

A Conditional Use Permit (CUP) is required of any project that is grading to within 150 feet of the top of the bank of a creek bank per LDC Section 4.02.080.B.3. The proposed minor trail grading would reach the top of the Collier Canyon Creek bank (Attachment 3). Per the findings in the attached project Resolution, staff recommends approval of CUP24-009.

Consistency Determination

California Government Code Section 65402(a) requires that if a General Plan has been adopted, no real property shall be acquired by dedication or otherwise or sold for public purposes until the location, purpose, and extent of such acquisition or disposition has been shown to be consistent with a local jurisdiction's adopted General Plan. This includes acquiring real property through dedication as proposed by the applicant.

The applicant proposes the real property (in-fee) dedication of Parcel M (2.53-acres) for (a) a public neighborhood park and (b) the south end of the public path along Collier Canyon Creek where it joins Constitution Drive. The applicant would build the park improvements to City required standards. The Livermore Area Recreation and Parks District would maintain the park grounds and improvements.

The Planning Commission is the final decision maker for this Consistency Determination and additional justification can be found in the attached Consistency Determination resolution. Accepting Parcel M for a neighborhood park is consistent with the General Plan through the Isabel Neighborhood Specific Plan, which designates the south portion of the project site (along Constitution Drive), as the location of a Neighborhood Park/Plaza per INSP Chapter 2, Figure 2-1. Therefore, the proposed dedications are consistent with the General Plan. Upon project approval, staff supports acceptance of the proposed dedication of Parcel M for a public park.

Affordable Housing

The proposed project meets the City's housing affordability requirements as shown below:

INSP Ch. 2, Policy P-LU-33 and corresponding LDC 10.06.050.D.4.c(2), require that: 20% of rental units, or 22 units, be set aside for very-low, low-, median, and moderate-income households, with at least 6% reserved for very-low-income households, 4% reserved for median-income households, and 3% reserved for moderate-income households. Project rental units meet these standards by providing that 108 units to be priced for low-income households or below, and 20% to be priced for very-low income and extremely-low-income households.

INSP Ch. 2, Policy P-LU-33 and corresponding LDC 10.06.050.D.4.c(1) require that 20% or more of for sale units (29-units) being affordable to median- and moderate-income households, with at least 5% of reserved units (8-units) being set aside for median-income households. Permanent provision of low-income units is being provided by the project's rental units that exceed the LDC specified minimum units. Six of the 143, for sale units would be priced to be affordable by moderate-income households. The applicant is not meeting the for-sale requirement but is instead asking for a Density Bonus waiver to concentrate most of its affordable units in the apartment building as explained below.

The City Council has also adopted an Inclusionary Housing Ordinance, which establishes citywide affordability requirements that identify performance standards for affordable units (LDC Section 10.06.050.D.7.a-f, 10.06.050.D.8, and 10.06.050.D.9). As required by the Inclusionary Housing Ordinance, all affordable units must:

1. Be representative of the project as a whole, with comparable unit type and bedroom mix.
2. Appear the same as the market-rate units.
3. Contain the same average number of bedrooms as market-rate units.
4. Contain the same bathroom to bedroom ratio as market-rate units.
5. Have the same market-rate amenities, like air conditioning and laundry facilities.
6. Meet or exceed the minimum floor areas identified in the Inclusionary Housing Ordinance (LDC 10.06.050 - Table 10.2).
7. Reflect the overall market-rate product type mix.
8. Be dispersed throughout the project site.

The applicant has requested Density Bonus concessions and waivers from the above standards based on the project becoming infeasible if these standards were applied, based on State of California Housing Crisis Act (Government Code Section 65915) and State Density Bonus law. The State of California Housing Crisis Act is discussed below.

Housing Crisis Act

The Housing Crisis Act (SB 330) became California law on January 1, 2020, and made numerous changes to the procedures for processing, reviewing, and approving housing development projects during the declared statewide housing emergency. The law remains in effect until January 1, 2030, unless extended. Specifically, the new law:

- Created an optional “preliminary application” process for housing developers that freezes development standards and fees as of the submittal date;
- Amended the Permit Streamlining Act to clarify the timeframe and procedures for determining whether a development application is complete;
- Added provisions to the Housing Accountability Act to ensure only objective standards are used to deny or reduce the density of a housing development project;
- Limited the number of hearings that may be held on a housing development project to five; and
- Limits actions to reduce residential development capacity or implement growth control measures and imposes replacement housing and relocation requirements for projects that demolish residential units.

The applicant provided all the necessary information to qualify for relief under the Housing Crisis Act upon initial application submittal on April 20, 2022. Therefore, all development standards and fees applying to the project were vested at that date. The most recent changes made to the INSP as part of the approved Isabel Crossing project are not applicable to the project, as the project was deemed complete prior to the adoption of the amendments. In addition, given that the Specific Plan was adopted after January 1, 2020, all subjective design standards within the plan cannot be used to evaluate the project (but the INSP objective standards can still be used). However, the Specific Plan references the citywide Design Standards and Guidelines, which were adopted prior to January 1, 2020. Therefore, subjective standards from the adopted 2004 citywide Design Standards and Guidelines were still used during project review.

The project review has taken place within the timelines and quantity of hearings specified in the law. No residential demolition nor growth control is part of this project, and the City has terminated its Housing Implementation Program (HIP), which generally limited the annual number of units constructed. For these reasons, the project review process and the review standards used are consistent with the provisions of the Housing Crisis Act.

Density Bonus

The State of California encourages the production of affordable housing through its Density Bonus statute [California Government Code Section 65915-65918]. These

provisions allow projects that contain a certain percentage of low- to extremely-low units to qualify for:

- Density Bonus - no request to exceed the maximum residential density on this parcel has been submitted;

- Waivers of development standards - allows a project to disregard one or more development standards that precludes building to the allowed density. An unlimited number of Waivers may be granted. and

- Developer incentives/concessions - allows this project to disregard up to three development standards if removing the standard would result in quantifiable cost reduction (very similar to a Waiver).

The applicant has requested the following concessions and waivers:

Concessions

The Applicant is entitled to three (3) concessions under the State Density Bonus Law based on the number and affordability of the units proposed in the project which are 108 low, very low, and extremely low-income units, and six (6) moderate income units. The following requirements, if enforced, would make the development of the project as proposed economically infeasible, and thus eligible for a concession under the State Density Bonus Law.

1. Livermore Development Code Section 10.06.050(D)(9): Affordable units to be dispersed throughout the project rather than concentrated in one portion or area of the project. The moderate-income units are dispersed throughout the townhomes. Units that are affordable to households with low-income and below are all in the apartment building.

2. LDC Section 10.06.050(D)(4)(c): Affordable units to be concentrated in rental apartment building instead of dispersed between the rental units and the for sale units.

According to State Density Bonus law, the City shall grant developer Incentives/concessions for affordable housing projects unless one of the following findings can be made [Government Code Section 65915 (d)(1)]:

1. The Concession or Incentive does not result in identifiable and actual cost reductions, consistent with subdivision (k), to provide for affordable housing costs, as defined in Section 50052.5 of the Health and Safety Code, or for rents for the targeted units to be set as specified in subdivision (c).

   Findings: The requested Incentive/ Concession to waive the affordable comparability requirement and concentrate the affordable units as moderate income units in Floor Plan One of the Back-to-Back townhome building types and extremely-, very-, and

low-income units in the apartment building will result in identifiable, financially sufficient, and actual cost reduction. The applicant has indicated actual costs savings of approximately $2,217,000. This amount represents the estimated additional loss of project revenue that would be the result of providing a representative mix of floorplans as affordable units compared to the units the applicant has proposed to be designated affordable. The units requested by staff also have higher construction costs than the units proposed by the applicant, which is separate category of cost savings. For this reason, overall project costs will be less, and revenues will be more by concentrating the affordable units as moderate-income units in Floor Plan One of the Back-to-Back townhome building types and extremely-, very-, and low-income units in the apartment building, rather than providing affordable units in each floor plan type.

2. The developer incentives would have a specific adverse impact, as defined in paragraph (2) of Subdivision (d) of Section 65589.5, upon public health and safety or the physical environment or an any real property that is listed in the California Register of Historical Resources and for which there is no feasible method to satisfactorily mitigate or avoid the specific adverse impact without rendering the development unaffordable to low- and moderate-income households.

   Findings: Designating different affordable units would not result in a specific adverse impact upon public health and safety, the physical environment, or any real property that is listed in the California Register of Historical Resources. Modifying which units are affordable does not impact the physical development or environment and is instead a regulatory action. In addition, all affordable units will still provide for sleeping, restroom, and cooking areas. The for-sale affordable units would have the same amenities as the market rate for-sale units, like laundry and air conditioning, and will be otherwise indistinguishable from the market rate for-sale units, except for their duet type design. All affordable units will be adequately served by water, wastewater, and electrical service. For these reasons, concentrating the affordable units into the Back-to-Back townhome building type with Floor Plan One will not adversely impact the health, safety, or wellbeing of affordable residents. The property is not listed as historic in any local, state or national historical register.

3. The developer incentives would be contrary to State or Federal law.

   Findings: Affordability requirements are established by local ordinance. The affordable comparability incentive/concession would not violate any State or Federal law.

Given that none of the findings above can be made, the City is required to grant the requested Incentives/Concessions to the project applicant. In addition, based on correspondence with the California Department of Housing and Community Development, using the Density Bonus to waive Inclusionary Housing Ordinance requirements is an appropriate use of the law, and furthers the California Legislature's goal to increase the state’s production of market-rate and affordable housing.

Waivers

The Applicant is entitled to unlimited waivers under the State Density Bonus Law based on the number and affordability of the units provided in the proposed project as described in Concessions above. The following requirements, if enforced, would physically preclude the construction of the project as proposed, and thus are eligible for a waiver under the State Density Bonus Law.

1. Citywide Design Standards and Guidelines, Chapter 6, Section D, Design Standard 3.1.2 (CDSG Ch. 6, Sec. D, Standard 3.1.2): "Residential entries shall be located on the front façade and shall directly access the sidewalk or street." Residential entries face internal corridors of the proposed apartment building.

2. Isabel Neighborhood Specific Plan, Chapter 2, Table 2.2-Development Standards, Private Open Space (INSP, Ch. 2, Table 2.2, Private Open Space): In the Center zone, each unit must have one private open space and 50 sq. ft. min. with a minimum dimension of 4-ft by 8-ft. (50-ft. may be averaged). No apartment units have private open space (e.g. an outdoor patio).

3. Livermore Development Code (LDC) Section 10.06.050(D)(7)(a): Affordable, reserved units to be "representative of the project as a whole" and minimum unit sizes to be per Table 10.2 as summarized below.

No. Bedrooms	For Sale Minimum Size/Proposed	For Rent Minimum Size/Proposed
Studio	600 s.f. / None proposed	600 s.f. / 411 s.f.
1	750 s.f. / None proposed	750 s.f. / 547 s.f.
2	1,000 s.f. / None proposed	900 s.f. / 791 s.f.
3	1,250 s.f. / Unit 4 (3) = 922 s.f. & Unit 5 (3) = 1,311 s.f.	1,000 s.f. / 1,079 s.f.

   The apartment units are physically different from the townhome units. Also, proposed townhome Unit 4 and all apartment studio, 1-bedroom and 2-bedroom units do not meet the City's unit size requirement.

4. LDC Section 10.06.050(D)(7)(b): Affordable units [i.e., low-income units and below] shall have air-conditioning, enclosed garages, and laundry facilities to the extent market-priced units have those amenities. Affordable apartment units have less parking (see Parking) and common laundry rooms on each residential floor instead of laundry facilities in each unit.

5. LDC Section 10.06.050(D)(8): The mix of affordable reserved residential units shall reflect the overall mix of market-rate units in the project. The 108, affordable, one-story apartments with studio, 1-bedroom, 2-bedroom, and 3-bedroom units do not reflect the 3-story, 3-bedroom townhomes.

6. INSP Chapter 5, Design Standard DS-62 (pg. 5-32): Parking podiums shall not project more than five feet above the level of the sidewalk or grade, whichever is lower, and shall be screened. The top of the proposed parking podium is 17 feet above the

Collier Canyon Road sidewalk. Therefore, the parking podium does not meet the INSP Design Standard.

7. General Plan Scenic Corridor Policy G-LU-2 as implemented in INSP Chapter 2, Tables 2-2, 2-4, and 2-6, that limits building height to 35 feet, 50 feet, or as specified in the General Plan Scenic Corridor Policies for the proposed, five-story apartment building that is 61 feet high to the roof ridgeline, plus an additional nine-foot-high rooftop accessory structures. The proposed townhomes and apartment building height are not consistent with INSP standards as shown in Attachment 3 because they exceed the Scenic Corridor height limitation.

8. LDC Section 10.06.050(D)(7)(c): "The average number of bedrooms for all affordable units in a project shall equal the average number of bedrooms for all other units in the project." All 137-market rate townhome units have a minimum of three bedrooms. The six affordable townhome units have one to two bedrooms. Twenty-six out of 110 apartment units have three bedrooms (23.6%) - the remaining 84 apartments are studio to 2-bedroom units (76.4%) (per Attachment 3). Therefore, the average number of bedrooms for all affordable units in a project is not equal to the average number of bedrooms for all other units in the project.

9. LDC Section 10.06.050(D)(7)(c): "The number of bathrooms per bedroom shall equal the proportion of bathrooms in the market-priced units." All moderate income townhome units (120% of AMI) have 3.5 bathrooms for 3-bedroom units to 3 bathrooms for 4-bedroom units. All affordable apartments have one bathroom except the 26, 3-bedroom units that have two bathrooms. Therefore, the proportion of bathrooms per bedroom for all affordable units in the project is not equal to the market-priced units in the project.

10. LDC Section 10.06.050(D)(7)(e): "Affordable units shall have air-conditioning, enclosed garages, and laundry facilities to the extent market-priced units have those amenities." Market-priced units are air-conditioned, have enclosed 2-car garages, and each unit is plumbed for a washer and dryer. The affordable apartments are air-conditioned; 104 parking spaces are proposed for 110 units consisting of 87 spaces within first-floor podium parking (75 spaces that are stacked one above the other and independently accessible using a mechanical shuffle system and 12 single spaces) and 17 outside spaces; and each residential floor has a common, 13 ft. x 30 ft., laundry room with multiple washers and dryers. Thus, affordable units do not have equivalent parking and laundry facilities.

11. INSP Chapter 2, Table 2-2 (pg. 2-22) requires 50 sq. ft. of Private Open Space per residential unit in the Center zone. The proposed affordable apartments have no private open space, but a private common open space area on the second floor. Therefore, the proposed apartments lack the total 5,500 sq. ft. of private open space for the apartment units, that is required by Table 2-2. Note that the apartment building is adjacent to a 17,424 sq. ft. pocket park.

The requested waivers would allow construction of the densities and housing affordability envisioned in the Specific Plan and facilitate the City to achieve the General Plan goals for affordable housing.

According to State Density Bonus law, the City shall grant development standard Concessions and Waivers for affordable housing projects that qualify, unless one of the following findings can be made:

1. The waiver or reduction would have a specific, adverse impact, as defined in paragraph (2) of subdivision (d) of Section 65589.5, upon health or safety, and for which there is no feasible method to satisfactorily mitigate or avoid the specific adverse impact.

   Findings: The project as proposed and conditioned, incorporates the requested waivers. Staff concluded that the proposed project would not impact public health or safety as part of the recommended reuse of the INSP Environmental Impact Report and this specific project review. Therefore, the proposed waivers would not have a specific, adverse impact upon health or safety.

2. The waiver or reduction would have an adverse impact on any real property that is listed in the California Register of Historical Resources.

   Findings: The property is not listed on the National Register of Historical Resources, the California Register of Historical Resources, nor on the City of Livermore's Historical Resources Inventory. Therefore, no historic resources would be materially impaired.

Sustainability

In support of the General Plan, Climate Action Plan, and Specific Plan, the proposed project will incorporate sustainability measures into its construction and operations. For example, all appliances will be powered by electricity (instead of natural gas), spaces within the condominium garages and the apartment podium parking will be Electric Vehicle (EV) ready and capable (providing the necessary wiring and power), allowing residents to more easily use and charge electric vehicles. Garages and trash enclosures will also have sufficient space to accommodate trash, organic, and recycling bins, encouraging composting and recycling activities for all residents. All on-site fixtures would be water and energy efficient.

The project will also efficiently use and treat water onsite. Recycled water will be used for all irrigation and all plants will be medium or low water users. In addition, many species will be natives and pollinators, which are well suited to Livermore's climate and attract beneficial insects, like bees. Stormwater will be treated in a retention area with natural grasses. The project provides ample pedestrian connections, a Class II bike lane along its frontages, making alternative travel modes more comfortable. The project is also located within 1/4 mile of the LAVTA 30R bus line at Triad Drive and North Canyons Parkway, which serves the West Dublin/Pleasanton BART station. In addition, the project

is collocated nearby existing job centers. And is within 1/2 mile of the future Valley Link regional rails system that will connect resident in San Joaquin County, the Tri-Valley and the Bay Area. Thus, residents would have walking access to jobs and more efficient forms of transportation, providing more options and potentially reducing their reliance on personal automobiles.

RECOMMENDATION

Staff recommends the Planning Commission adopt the attached Resolutions:

1. Approving Consistency Determination 24-010;

2. Recommending the City Council adopt a resolution finding that the project is exempt under the California Environmental Quality Act, in accordance with CEQA Guidelines Section 15182 (c) and that no events described in CEQA Guidelines Section 15162 have occurred and that the project is adequately covered by the Isabel Neighborhood Specific Plan Final and Supplemental EIR;

3. Recommending the City Council adopt a resolution approving Vesting Tentative Tract Map (VTTM) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, and Conditional Use Permit (24-010) subject to the attached Conditions of Approval; and

4. Recommending the City Council direct the Planning Manager to file a Notice of Exemption, in accordance with the provisions of the California Environmental Quality Act, subject to project approval.

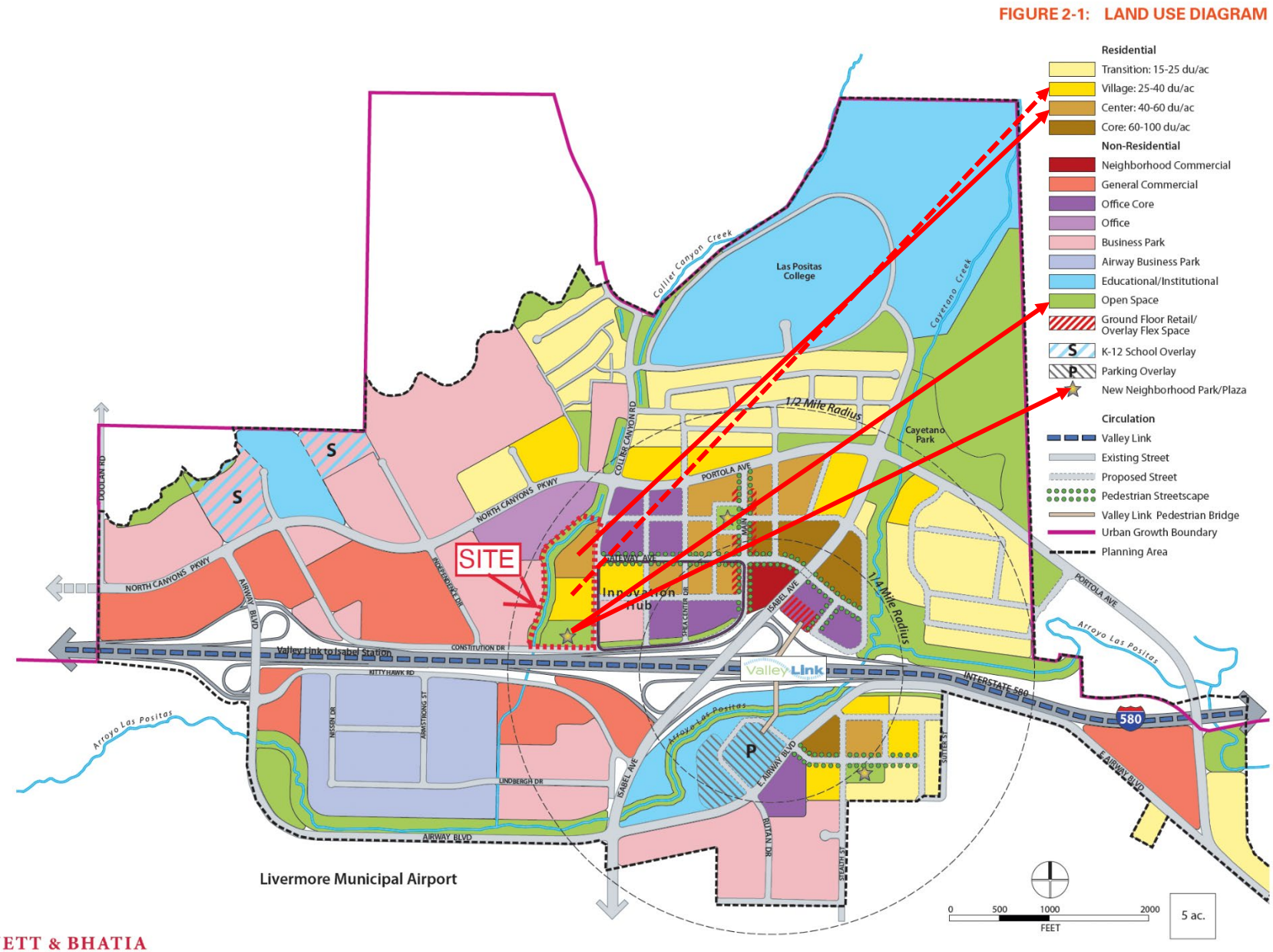
Staff Report Figures

Figure Number	Figure Title	Page No.
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Figure 1: Site Aerial Photograph



Figure 2: Isabel Neighborhood Specific Plan



DYETT & BHATIA
Urban and Regional Planners

ATTACHMENT 3

COLLIER CANYON ROAD
LIVERMORE, CA

DESIGN REVIEW SUBMITTAL
NOVEMBER 15, 2024





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P2.0	ON SITE PARK CONCEPTUAL DESIGN
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PROJECT TEAM

APPLICANT/OWNER:
THE PACIFIC COMPANIES
430 E. State St., Suite 100
Eagle, ID 83616
(208) 461-0022
Contact: Don Slattery
dons@tpchousing.com

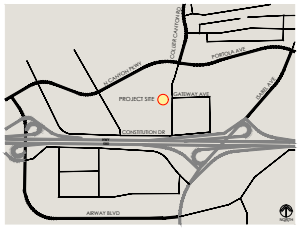
RESIDENTIAL ARCHITECT (TOWNHOMES):
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3361 Wainut Blvd., Suite 120
Brentwood, CA 94513
(924) 634-7000
Contact: Jeff Potts
jpotts@sdgarchitectsinc.com

RESIDENTIAL ARCHITECT (AFFORDABLE MULTI-FAMILY):
AO
144 North Orange Street
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THOMAS H. PHELPS LANDSCAPE ARCHITECTURE
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Boise, ID 83717
(530) 892-8897
Contact: Thomas Phelps
thp@idlainc.net

ELECTRICAL ENGINEER:
DC ENGINEERING
440 East Corporate Drive
Suite 103
Meridian, Idaho 83642
(208) 493-0067
Contact: Josh Farmer
jfarmer@dcengineering.net



VICINITY MAP

G0.0

COLLIER CANYON ROAD
TPC DELVELOPMENT

LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

AO ARCHITECTS
144 NORTH ORANGE ST., ORANGE, CA 92866
(714) 639-9860

BUILDING SQUARE FOOTAGES (TOWNHOMES)

BUILDING	NUMBER OF BLDGS	LIVING SF	SUBTOTAL LIVING SF	GARAGE SF	SUBTOTAL GARAGE SF	PORCH SF	SUBTOTAL PORCH SF	DECK SF	SUBTOTAL DECK SF
4 Unit Bldg 3R, 2, 2, 3	1	7,696	7,696	1,926	1,926	372	372	352	352
6 Unit Bldg 3R, 2R, 1, 2, 2, 3	9	11,266	101,394	2,849	25,641	503	4,527	472	4,248
7 Unit Bldg 3R, 2R, 1, 2, 1, 2, 3	5	12,992	64,960	3,308	16,540	579	2,895	542	2,710
8 Unit Bldg 3R, 2, 2, 1, 1, 2, 2, 3	1	14,836	14,836	3,772	3,772	634	634	592	592
8-ALT Unit Bldg 4R, 5R, 2R, 1, 2, 1, 2, 3	3	13,221	39,663	3,551	10,653	593	1,779	563	1,689
9 Unit Bldg 3R, 2, 2, 1, 2, 1, 2, 2, 3	2	16,680	33,360	4,236	8,472	689	1,378	642	1,284
Total	**21**		**261,909**		**67,004**		**11,585**		**10,875**

UNIT COUNT & SQUARE FOOTAGES (TOWNHOMES)

UNIT	DESCRIPTION	NUMBER OF UNITS	LIVING SF	GARAGE SF	PORCH SF	DECK SF
1	3 Bed/2.5 Bath	31	1,726	459	76	70
2	4 Bed/3.5 Bath	67	1,844	464	55	50
3	4 Bed/3.5 Bath	39	2,004	499	131	126
4	1 Bed/1.5 Bath	3	922	274	80	83
5	2 Bed/2.5 Bath	3	1,311	468	65	64
Total		143	261,909	67,004	11,585	10,875

PARKING SUMMARY (TOWNHOMES)

UNIT COUNT	BEDROOM COUNT	MIN REQUIRED PARKING STALLS/UNIT	MIN PARKING STALLS REQUIRED	PARKING STALLS PROVIDED
3	1	1	3	3
3	2	1.5	5	6
137	3+	2	274	274
TOTAL			282	**283**

GUEST PARKING (TOWNHOMES)

	REQUIRED PARKING STALLS/UNIT (INSP)	PARKING STALLS / UNIT (SDB)	PARKING STALLS PROVIDED
GARAGE SPACES	2/UNIT = 286	.5/BED = 279	283
GUEST (UNCOVERED)	1/8 UNITS	0	19
ADA STALLS	1	0	1
TOTAL PROVIDED			**303**

BICYCLE PARKING (TOWNHOMES)

	REQUIRED BICYCLE STALLS (INSP)	PROVIDED BICYCLE STALLS
GARAGE SPACES	1 S / UNIT	143
VISITOR SPACES	1 S /4 UNITS	36
TOTAL PROVIDED		**179**

PROJECT DATA (AFFORDABLE MULTI-FAMILY)

CURRENT ZONING:	INSP	
APN:	905-0015-008	
EXISTING USE:	VACANT	
PROPOSED USE:	MULTI-FAMILY RESIDENTIAL	
PROJECT ADDRESS:	2768 COLLIER CANYON ROAD LIVERMORE, CA	
SPECIFIC PLAN:	ISABEL NEIGHBORHOOD SPECIFIC PLAN (INSP)	
PROPOSED TYPE OF CONSTRUCTION:	4-STORY TYPE III OVER 1 LEVEL OF RAISED PODIUM TYPE I	
AUTOMATIC SPRINKLER:	YES	
FAR:		
PROPOSED FAR:	1.9	
LOT SIZE:		
SUBJECT PROPERTY:	1.66 ACRES (72,309.6 SF)	
NUMBER OF UNITS:	**110 UNITS**	
DENSITY:	110 UNITS / 1.66 ACRES = **66 DU/AC**	
UNIT MIX:		
STUDIOS	31 UNITS (28%)	
1 BEDROOM	24 UNITS (22%)	
2 BEDROOM	27 UNITS (25%)	
2 BEDROOM (MANAGER'S UNIT)	1 UNIT	
3 BEDROOM	26 UNIT (25%)	
3 BEDROOM (MANAGER'S UNIT)	1 UNIT	
TOTAL	**110 UNITS**	
GROSS FLOOR AREA		
1ST FLOOR / PODIUM LEVEL	32,745 SF	
2ND FLOOR	26,650 SF	
3RD FLOOR	26,650 SF	
4TH FLOOR	26,650 SF	
5TH FLOOR	26,650 SF	
GRAND TOTAL:	139,345 SF	
OPEN SPACE CALCULATIONS	REQUIRED	PROVIDED
REQUIRED PRIVATE OPEN SPACE: 75 SF/UNIT	19,250 SF	-
REQUIRED COMMON OPEN SPACE: 75 SF/UNIT	19,250 SF	-
ENCLOSED COMMON OPEN SPACE (AMENITIES):		1,000 SF
NUMBER OF STORIES:	5 STORIES	
VEHICLE PARKING:		
STUDIO: 0.75 SPACE / UNIT	30 STALLS	
1 BR UNIT: 1 SPACE/ UNIT	10 STALLS	
2 BR UNIT: 1.25 SPACES/ UNIT	37.5 STALLS	
3 BR UNIT: 1.25 SPACES/ UNIT	37.5 STALLS	
VISITOR: 1 SPACE/ 8 UNITS	13.75 STALLS	
REQUIRED:	129 STALLS	
PROVIDED:	104 STALLS	
BICYCLE PARKING:	REQUIRED	PROVIDED
RESIDENT PARKING: 1 SPACE PER 4 BEDROOMS	48	48
VISITOR PARKING: 1 SPACE PER 20 UNITS	6	6
SETBACK:	REQUIRED	PROVIDED
FACING STREETS (COLLIER CANYON RD):	5'-0" MIN.; 12'-0" MAX. (10'-0" FOR 3RD STORY & ABV.)	12'-11" 1ST STORY AND 10'-0" 2ND STORIES & ABOVE
INTERIOR SIDE/REAR:	5'-0" (1ST & 2ND STORY); 10'-0" (3RD STORY & ABV.)	11'-7" 1ST STORY 11'-7" 2ND & STORIES ABOVE
MAXIMUM BUILDING HEIGHT:	REQUIRED	PROVIDED
	60'-0"	61'-1" 70'-9" (TOP OF STAIR)

UNIT SUMMARY (AFF. MULTI-FAMILY)

UNIT TYPE	UNIT NET SQ. FT.	NUMBER OF UNITS	TOTAL NET SQ. FT.	UNIT %
S1	411	31	12,741	28.2%
A1	547	24	13,128	21.8%
B1	796	27	21,492	24.5%
B1 (MANAGER'S UNIT)	796	1	796	0.9%
C1	1,079	26	28,054	23.6%
C1 (MANAGER'S UNIT	1,079	1	1,079	0.9%
TOTAL		**110**	**77,290**	**100%**

COLLIER CANYON ROAD
TPC DELVELOPMENT

LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

AO ARCHITECTS
144 NORTH ORANGE ST., ORANGE, CA 92866
(714) 639-9860



LOCATION 4



LOCATION 3



LOCATION 2



LOCATION 1



KEY MAP

NEIGHBORING VIEWS

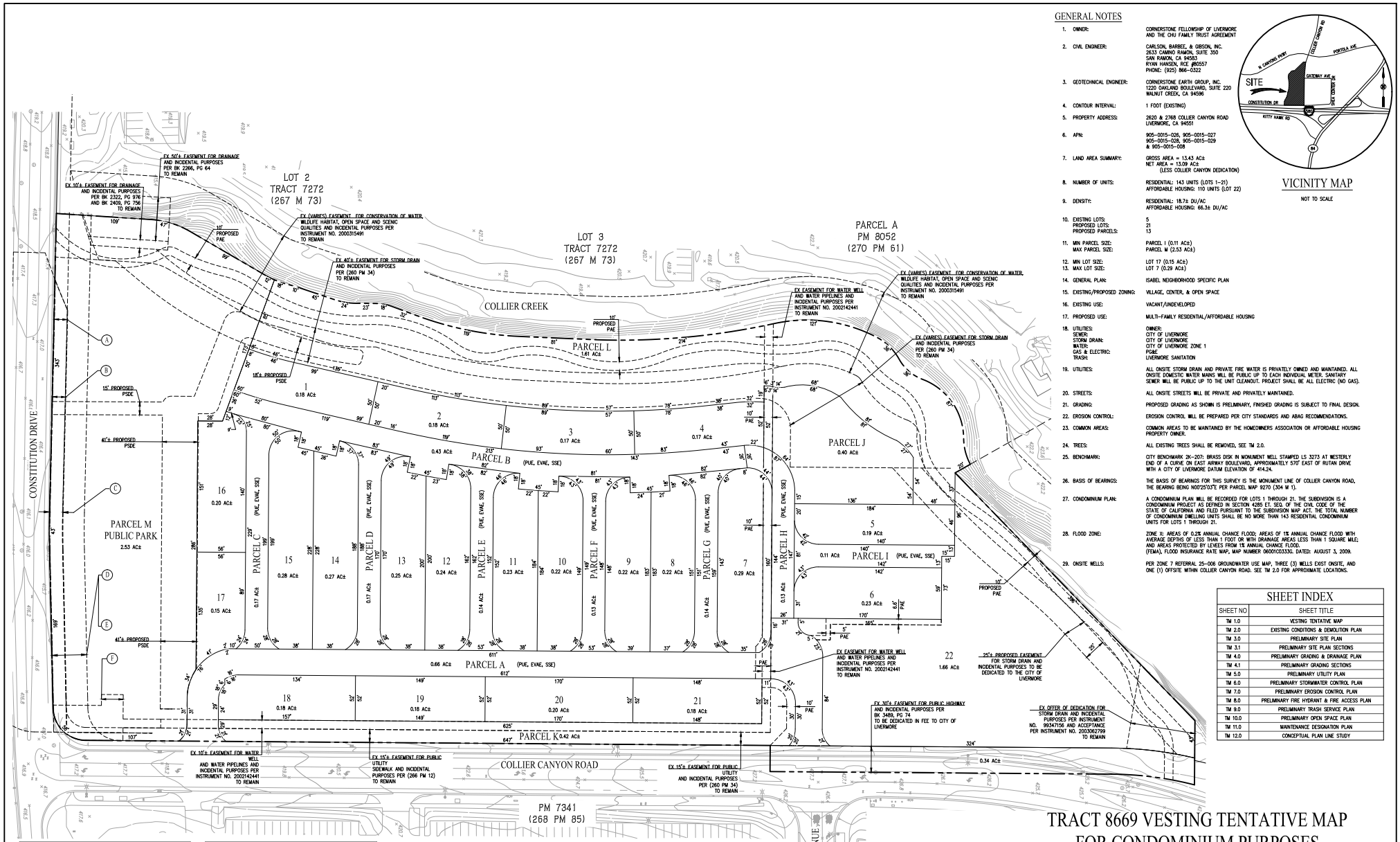
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COLLIER CANYON ROAD
TPC DELVELOPMENT

LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

AO ARCHITECTS
144 NORTH ORANGE ST., ORANGE, CA 92866
(714) 639-9860



GENERAL NOTES

1.	OWNER:	CORNERSTONE FELLOWSHIP OF LIVERMORE AND THE CHU FAMILY TRUST AGREEMENT
2.	CIVIL ENGINEER:	CARLSON, BARBEE, & GIBSON, INC. 2633 CAMINO RAMON, SUITE 350 SAN RAMON, CA 94583 RYAN HANSEN, RCE #80557 PHONE: (925) 866-0322
3.	GEOTECHNICAL ENGINEER:	CORNERSTONE EARTH GROUP, INC. 1220 OAKLAND BOULEVARD, SUITE 220 WALNUT CREEK, CA 94596
4.	CONTOUR INTERVAL:	1 FOOT (EXISTING)
5.	PROPERTY ADDRESS:	2620 & 2768 COLLIER CANYON ROAD LIVERMORE, CA 94551
6.	APN:	905-0015-026, 905-0015-027 905-0015-028, 905-0015-029 & 905-0015-008
7.	LAND AREA SUMMARY:	GROSS AREA = 13.43 AC± NET AREA = 13.09 AC± (LESS COLLIER CANYON DEDICATION)
8.	NUMBER OF UNITS:	RESIDENTIAL: 143 UNITS (LOTS 1-21) AFFORDABLE HOUSING: 110 UNITS (LOT 22)
9.	DENSITY:	RESIDENTIAL: 18.7± DU/AC AFFORDABLE HOUSING: 66.3± DU/AC
10.	EXISTING LOTS: PROPOSED LOTS: PROPOSED PARCELS:	5 21 13
11.	MIN PARCEL SIZE: MAX PARCEL SIZE:	PARCEL I (0.11 AC±) PARCEL M (2.53 AC±)
12.	MIN LOT SIZE:	LOT 17 (0.15 AC±)
13.	MAX LOT SIZE:	LOT 7 (0.29 AC±)
14.	GENERAL PLAN:	ISABEL NEIGHBORHOOD SPECIFIC PLAN
15.	EXISTING/PROPOSED ZONING:	VILLAGE, CENTER, & OPEN SPACE
16.	EXISTING USE:	VACANT/UNDEVELOPED
17.	PROPOSED USE:	MULTI-FAMILY RESIDENTIAL/AFFORDABLE HOUSING
18.	UTILITIES: SEWER: STORM DRAIN: WATER: GAS & ELECTRIC: TRASH:	OWNER: CITY OF LIVERMORE CITY OF LIVERMORE CITY OF LIVERMORE ZONE 1 PG&E LIVERMORE SANITATION
19.	UTILITIES:	ALL ONSITE STORM DRAIN AND PRIVATE FIRE WATER IS PRIVATELY OWNED AND MAINTAINED. ALL ONSITE DOMESTIC WATER MAINS WILL BE PUBLIC UP TO EACH INDIVIDUAL METER. SANITARY SEWER WILL BE PUBLIC UP TO THE UNIT CLEANOUT. PROJECT SHALL BE ALL ELECTRIC (NO GAS).
20.	STREETS:	ALL ONSITE STREETS WILL BE PRIVATE AND PRIVATELY MAINTAINED.
21.	GRADING:	PROPOSED GRADING AS SHOWN IS PRELIMINARY, FINISHED GRADING IS SUBJECT TO FINAL DESIGN.
22.	EROSION CONTROL:	EROSION CONTROL WILL BE PREPARED PER CITY STANDARDS AND ABAG RECOMMENDATIONS.
23.	COMMON AREAS:	COMMON AREAS TO BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION OR AFFORDABLE HOUSING PROPERTY OWNER.
24.	TREES:	ALL EXISTING TREES SHALL BE REMOVED, SEE TM 2.0.
25.	BENCHMARK:	CITY BENCHMARK 2K-207: BRASS DISK IN MONUMENT WELL STAMPED LS 3273 AT WESTERLY END OF A CURVE ON EAST AIRWAY BOULEVARD, APPROXIMATELY 570' EAST OF RUTAN DRIVE WITH A CITY OF LIVERMORE DATUM ELEVATION OF 414.24.
26.	BASIS OF BEARINGS:	THE BASIS OF BEARINGS FOR THIS SURVEY IS THE MONUMENT LINE OF COLLIER CANYON ROAD, THE BEARING BEING N00°25'01"E PER PARCEL MAP 9270 (304 M 1).
27.	CONDOMINIUM PLAN:	A CONDOMINIUM PLAN WILL BE RECORDED FOR LOTS 1 THROUGH 21. THE SUBDIVISION IS A CONDOMINIUM PROJECT AS DEFINED IN SECTION 4285 ET. SEQ. OF THE CIVIL CODE OF THE STATE OF CALIFORNIA AND FILED PURSUANT TO THE SUBDIVISION MAP ACT. THE TOTAL NUMBER OF CONDOMINIUM DWELLING UNITS SHALL BE NO MORE THAN 143 RESIDENTIAL CONDOMINIUM UNITS FOR LOTS 1 THROUGH 21.
28.	FLOOD ZONE:	ZONE X: AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD. (FEMA), FLOOD INSURANCE RATE MAP, MAP NUMBER 06001C0533G. DATED: AUGUST 3, 2009.
29.	ONSITE WELLS:	PER ZONE 7 REFERRAL 25-006 GROUNDWATER USE MAP, THREE (3) WELLS EXIST ONSITE, AND ONE (1) OFFSITE WITHIN COLLIER CANYON ROAD. SEE TM 2.0 FOR APPROXIMATE LOCATIONS.

SHEET INDEX

SHEET NO	SHEET TITLE
TM 1.0	VESTING TENTATIVE MAP
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TM 7.0	PRELIMINARY EROSION CONTROL PLAN
TM 8.0	PRELIMINARY FIRE HYDRANT & FIRE ACCESS PLAN
TM 9.0	PRELIMINARY TRASH SERVICE PLAN
TM 10.0	PRELIMINARY OPEN SPACE PLAN
TM 11.0	MAINTENANCE DESIGNATION PLAN
TM 12.0	CONCEPTUAL PLAN LINE STUDY

PUBLIC PARK PARCEL

	EXISTING EASEMENT
A	OFFER OF DEDICATION FOR PUBLIC UTILITIES AND SIDEWALK EASEMENT AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2001099901. TO REMAIN.
B	OFFER OF DEDICATION FOR RECLAIMED WATER LINE EASEMENT AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 99347158. TO REMAIN.
C	EASEMENT FOR PUBLIC UTILITY SIDEWALK AND INCIDENTAL PURPOSES PER (266 PM 12). TO REMAIN.
D	OFFER DEDICATION FOR POTENTIAL EXPANSION OF NEW LANES ON INTERSTATE 580 AND/OR THE INSTALLATION OF BAY AREA RAPID TRANSIT RAIL LINES AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2001295925. TO REMAIN.
E	OFFER OF DEDICATION FOR THE PUBLIC HIGHWAY AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2002142441. TO REMAIN.
F	EASEMENT FOR WATER WELL AND WATER PIPELINES AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2002142441. TO REMAIN.

LAND USE

LAND	ACRES	PERCENTAGE %
PRIVATE STREET R/W (PARCEL A-I)	2.06	15.34%
PUBLIC STREET DEDICATION	0.34	2.53%
TOWNHOME RESIDENTIAL (LOTS 1-21)	4.42	32.91%
AFFORDABLE RESIDENTIAL (LOT 22)	1.66	12.36%
PRIVATE OPEN SPACE (PARCELS J-L)	2.42	18.02%
PUBLIC PARK (PARCEL M)	2.53	18.84%
TOTAL:	13.43	100.00%

*SEE SHEET TM 10.0 FOR OPEN SPACE CALCULATIONS

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY BOUNDARY
		RIGHT OF WAY BOUNDARY
		LOT/PARCEL LINE
		ADJACENT PROPERTY BOUNDARY
		EASEMENT LINE

ABBREVIATIONS

APN	ASSESSORS PARCEL NUMBER
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT
EX	EXISTING
L	LENGTH
PAE	PUBLIC ACCESS EASEMENT
PSE	PUBLIC SIDEWALK EASEMENT
PSDE	PUBLIC STORM DRAIN EASEMENT
PUE	PUBLIC UTILITY EASEMENT
PWLE	PRIVATE WATER LINE EASEMENT (FIRE MAIN)
R/W	RIGHT OF WAY
SF	SQUARE FEET
SSE	PUBLIC SEWER EASEMENT

TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

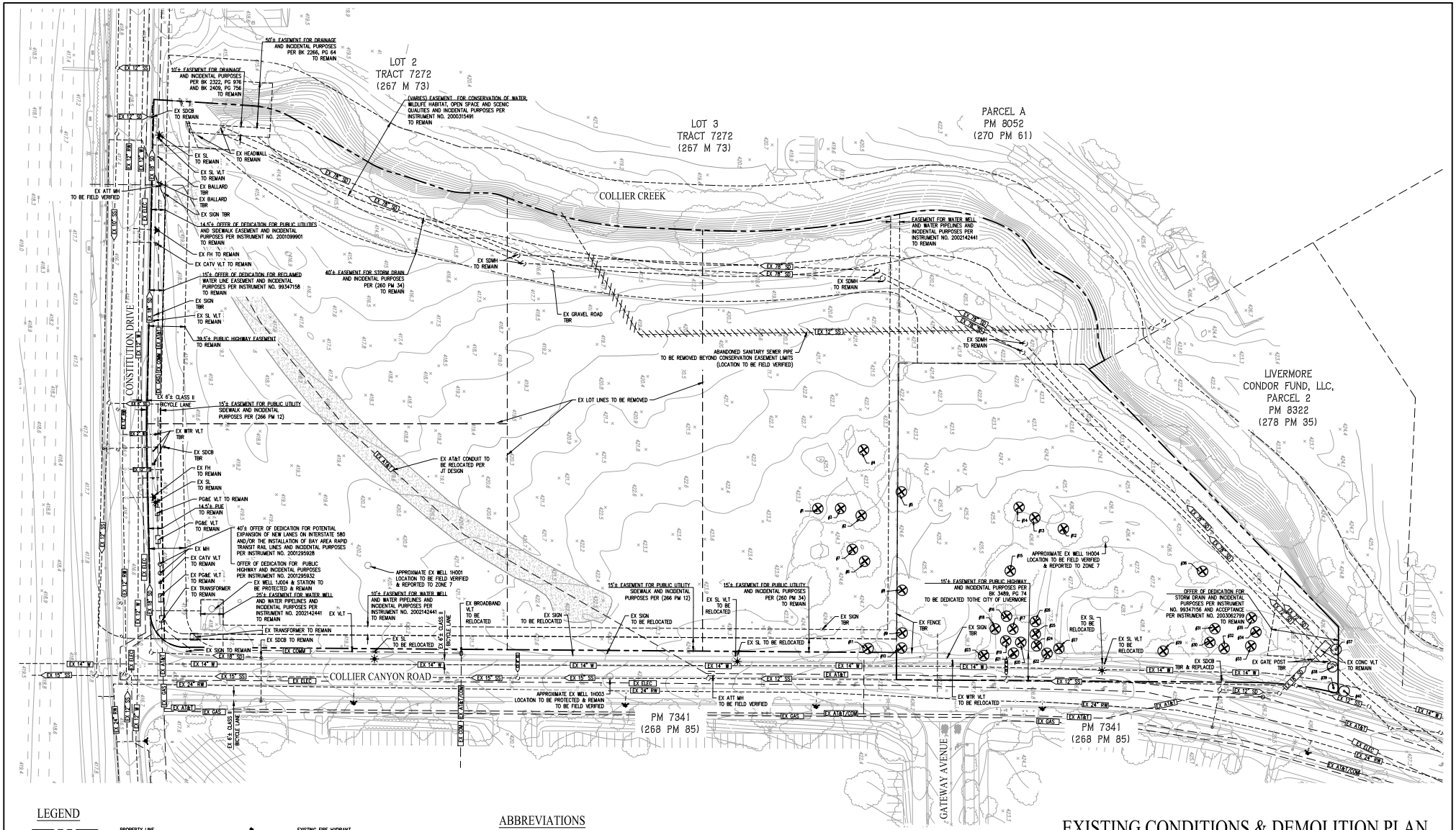
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SHEET NO. TM 1.0 OF 14 SHEETS

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LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXISTING EASEMENT
- EX 8" SS — EXISTING SANITARY SEWER MAIN
- EX 18" SD — EXISTING STORM DRAIN MAIN
- EXISTING SANITARY SEWER MANHOLE
- EXISTING STORM DRAIN CATCH BASIN
- EXISTING STORM DRAIN FILED INLET
- EX 12" W — EXISTING WATER MAIN
- EX 12" RW — EXISTING RECYCLED WATER MAIN
- EX ELEC — EXISTING ELECTRIC LINE
- EX AT&T — EXISTING AT&T
- EX GAS — EXISTING GAS LINE
- EX COM — EXISTING COMMUNICATION LINE
- EXISTING PIPE TO BE REMOVED
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING GROUNDWATER WELL
- EXISTING TRAFFIC LIGHT
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN

ABBREVIATIONS

AT&T	AMERICAN TELEPHONE & TELEGRAPH
CATV	CABLE TELEVISION
CONC	CONCRETE
EX	EXISTING
FH	FIRE HYDRANT
JT	JOINT TRENCH
MH	MANHOLE
PG&E	PACIFIC GAS & ELECTRIC
RW	RECYCLED WATER
SD	STORM DRAIN
SDCB	STORM DRAIN CATCH BASIN
SL	STREET LIGHT
SS	SANITARY SEWER
TBR	TO BE REMOVED
VLT	VAULT
W	WATER
WV	WATER VALVE

NOTE:

1. REFER TO ARBORIST REPORT ARBORIST TREE INVENTORY AND ASSESSMENT FOR PROPOSED CORNERSTONE CHURCH AND CHU PROPERTIES TOWNHOMES PROJECT, LIVERMORE, ALAMEDA COUNTY, CALIFORNIA (PN 2753-01) BY LIVE OAK ASSOCIATES, INC., DATED DECEMBER 14, 2022 FOR INFORMATION ON TREE SPECIES AND SIZE.

EXISTING CONDITIONS & DEMOLITION PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

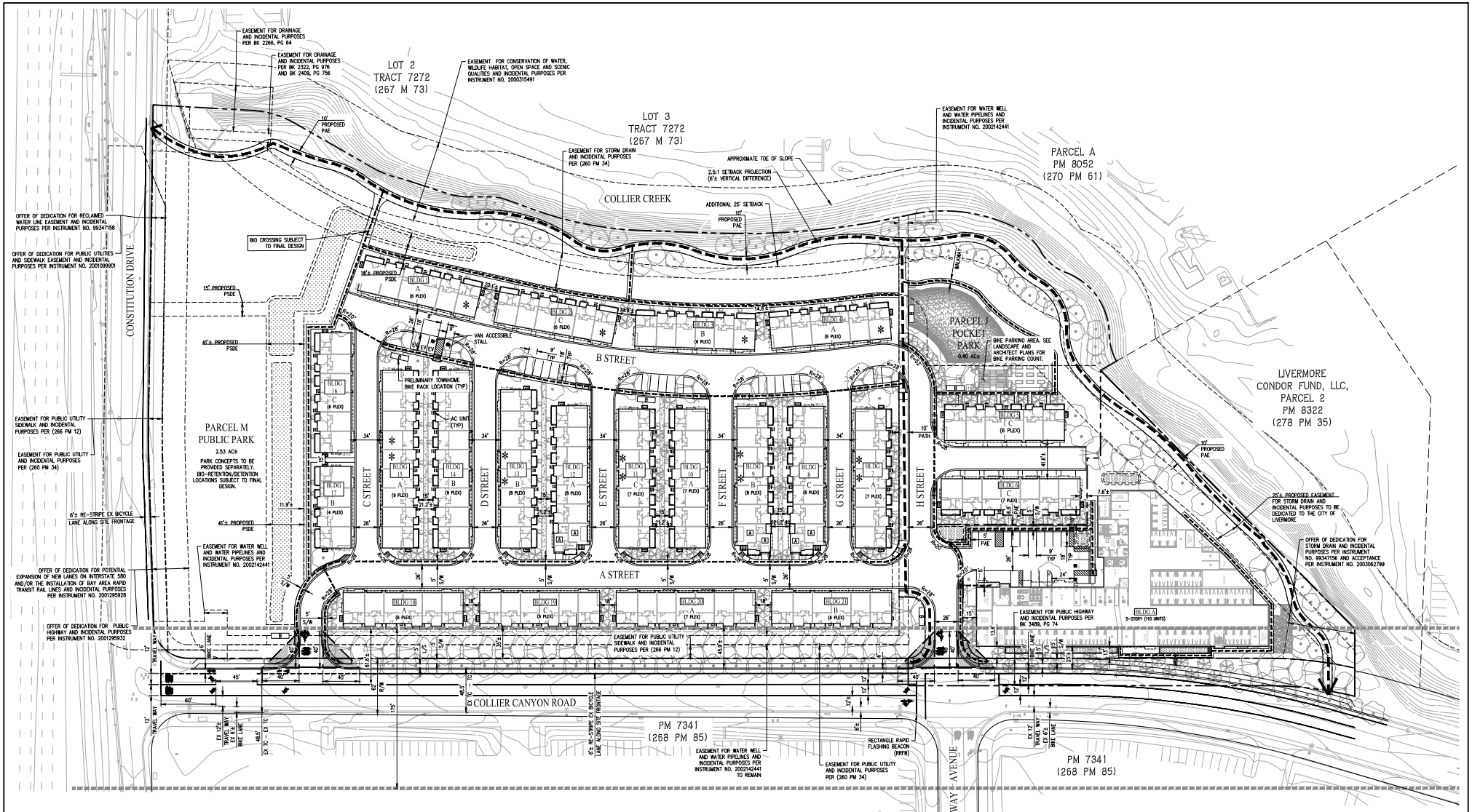
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SHEET NO. TM 2.0 OF 14 SHEETS

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LEGEND

- EXISTING PROPERTY LINE
- SPECIFIC PLAN VIEW CORRIDOR
- PEDESTRIAN AND BICYCLE CIRCULATION PATH
- PEDESTRIAN CIRCULATION PATH
- CENTER LINE
- RIGHT OF WAY LINE
- PROPOSED OFFSITE STRIPING
- ACCESSIBLE PARKING STALL
- BLDG 1 — BUILDING NUMBER
- EV — ELECTRIC VEHICLE CHARGING STATION
- A — ELEVATION
- CURB RAMP
- ACCESSIBLE UNIT
- TURN ARROW STRIPING
- SIGHT TRIANGLE PER CITY STANDARDS
- AC UNITS
- A — AFFORDABLE UNIT
- B — PRELIMINARY BIKE RACK LOCATION (6 BIKES PER LOCATION)

SITE CALCULATIONS

EXISTING SITE IMPERVIOUS AREA	36,318.10 SF±
PROPOSED SITE IMPERVIOUS AREA	283,985.3 SF±
SITE AREA	585,008.3 SF±

BUILDING SEPARATION

GARAGE TO GARAGE	34' MIN
BUILDING TO BUILDING	15' MIN

PROVIDED PARKING SUMMARY (TOWNHOMES)

UNIT COUNT	BEDROOM COUNT	MIN REQUIRED PARKING STALLS/UNIT	MIN PARKING STALLS REQUIRED	PARKING STALLS PROVIDED
3	1	1	3	3
3	2	1.5	5	6
137	3+	2	274	274
TOTAL			282	283
GUEST PARKING				
		REQUIRED PARKING STALLS/UNIT	PARKING STALLS REQUIRED	PARKING STALLS PROVIDED
GUEST STALLS (INCLUDES 1 EV STALL)		0.125	18	19
ADA STALLS (INCLUDES 1 EV)		0.05	1	1
PROVIDED COVERED GARAGE STALLS			282	283
TOTAL			301	303

PROVIDED PARKING SUMMARY (PODIUM)

AFFORDABLE HOUSING	
	PARKING STALLS PROVIDED
COVERED STALLS	87
UNCOVERED STALLS	17
TOTAL	104

NOTES:
1. SEE SHEET B1.0 FOR PLACEMENT OF EV STALLS FOR AFFORDABLE HOUSING.
2. RESIDENT BICYCLE STORAGE WILL BE LOCATED WITHIN A CLOSET ON EACH RESIDENTIAL FLOOR, AND THE VISITOR BICYCLE STORAGE ARE LOCATED ON THE GROUND FLOOR. SEE SHEET G1.0 FOR PROJECT DATA.
3. TOWNHOME BIKE PARKING (36 TOTAL AS REQUIRED BY TABLE 3-3 OF ISABEL NEIGHBORHOOD SPECIFIC PLAN)

PRELIMINARY SITE PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

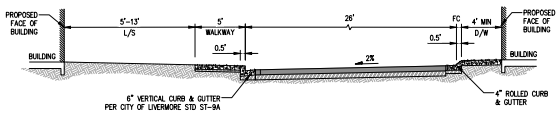
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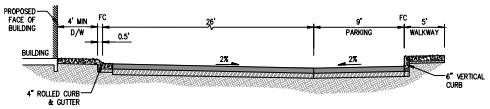
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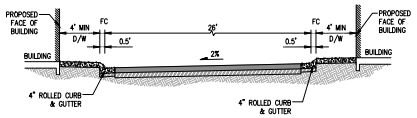
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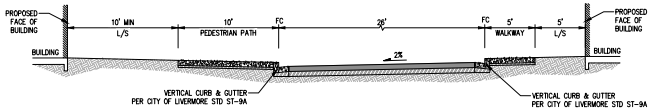
TYPICAL A STREET SECTION
NOT TO SCALE



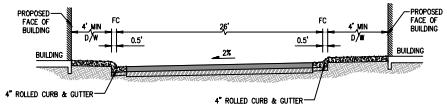
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NOT TO SCALE



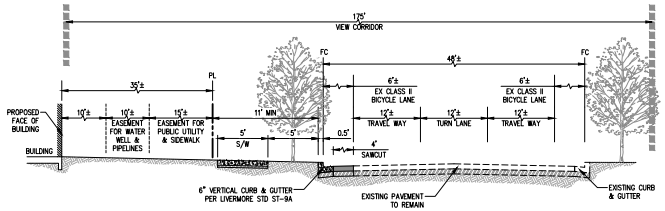
TYPICAL C, D, E, F, & G STREET SECTION
NOT TO SCALE



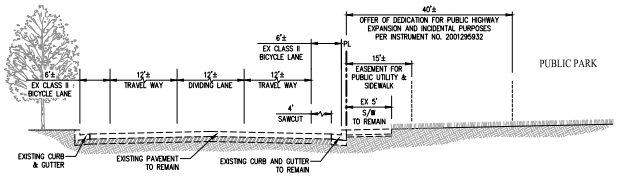
TYPICAL H STREET SECTION
NOT TO SCALE



TYPICAL ALLEY STREET SECTION
NOT TO SCALE



EXISTING COLLIER CANYON ROAD SECTION
NOT TO SCALE



EXISTING CONSTITUTION DRIVE SECTION
NOT TO SCALE

PRELIMINARY SITE PLAN SECTIONS
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

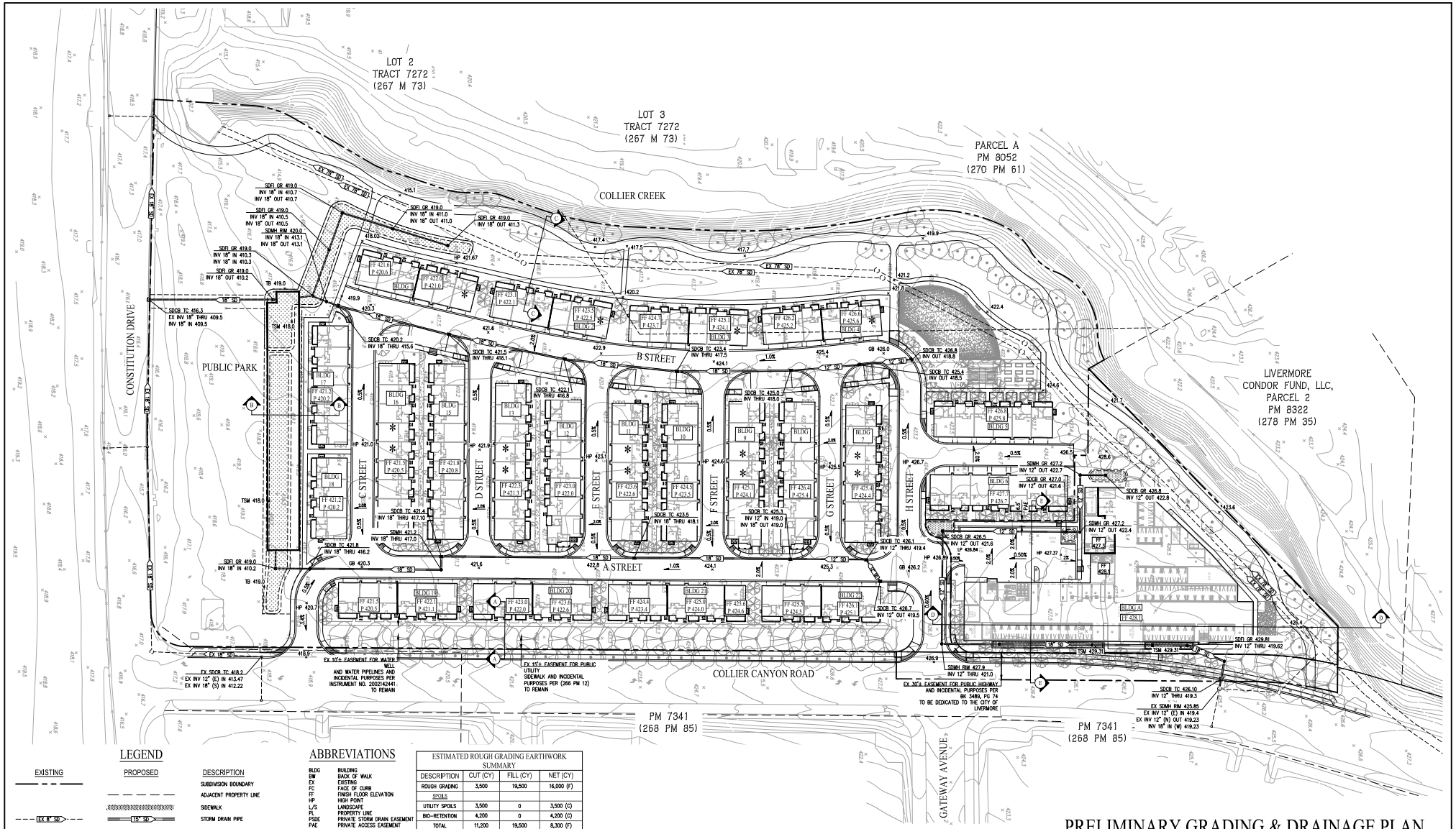
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LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SUBDIVISION BOUNDARY
		ADJACENT PROPERTY LINE
		SIDEWALK
EX 8" SD	18" SD	STORM DRAIN PIPE
		STORM DRAIN MANHOLE
		STORM DRAIN CATCH BASIN
		STORM DRAIN FIELD INLET
		BIO-RETENTION AREA
	2%	SLOPE ARROW
	× 442.43	SPOT GRADE
		FINISH FLOOR SPLIT
		HEAD WALL
	TB	TOP OF BIO-RETENTION
	TSM	TOP OF SOIL MIX
	*	ADAPTABLE UNIT

ABBREVIATIONS

BLDG	BUILDING
BW	BACK OF WALK
EX	EXISTING
FC	FACE OF CURB
FF	FINISH FLOOR ELEVATION
HP	HIGH POINT
L/S	LANDSCAPE
PL	PROPERTY LINE
PSDE	PRIVATE STORM DRAIN EASEMENT
PAE	PRIVATE ACCESS EASEMENT
S/W	SIDEWALK
TB	TOP OF BIO-RETENTION
TSM	TOP OF SOIL MIX

ESTIMATED ROUGH GRADING EARTHWORK SUMMARY

DESCRIPTION	CUT (CY)	FILL (CY)	NET (CY)
ROUGH GRADING	3,500	19,500	16,000 (F)
SPOILS			
UTILITY SPOILS	3,500	0	3,500 (C)
BIO-RETENTION	4,200	0	4,200 (C)
TOTAL	11,200	19,500	8,300 (F)

*NOTE:
PRELIMINARY EARTHWORK QUANTITIES ACCOUNT FOR CUT/FILL TO SUBGRADE & UTILITY SPOILS ONLY AND DO NOT ACCOUNT FOR SHRINK/SWELL FACTORS. SUBJECT TO FINAL DESIGN AND GEOTECHNICAL RECOMMENDATION.

PRELIMINARY GRADING & DRAINAGE PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

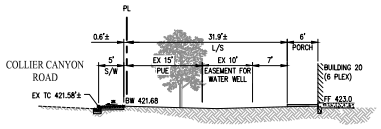
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JOB NO.: 3181-000

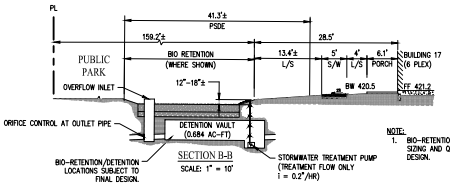
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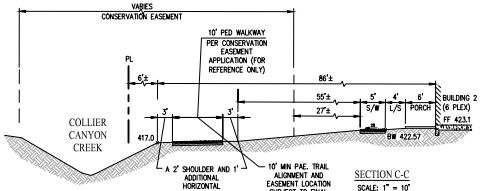


SECTION A-A
SCALE: 1" = 10'

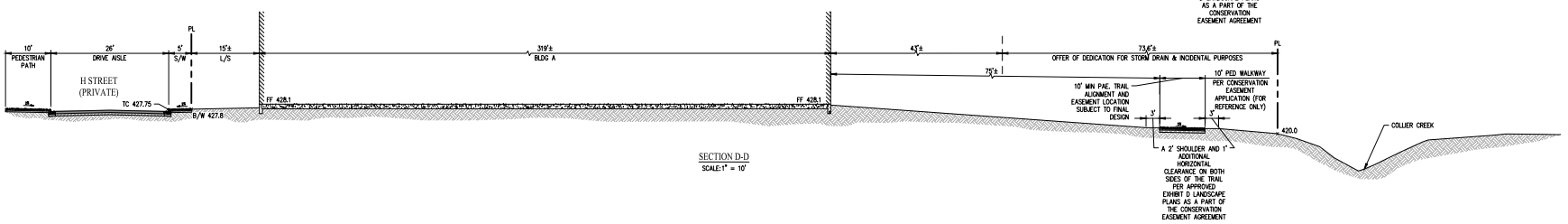


SECTION B-B
SCALE: 1" = 10'

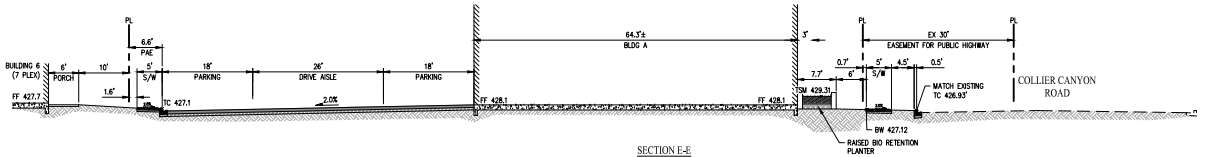
NOTE:
1. BIO-RETENTION/DETENTION STRUCTURE SIZING AND QUANTITIES SUBJECT TO FINAL DESIGN.



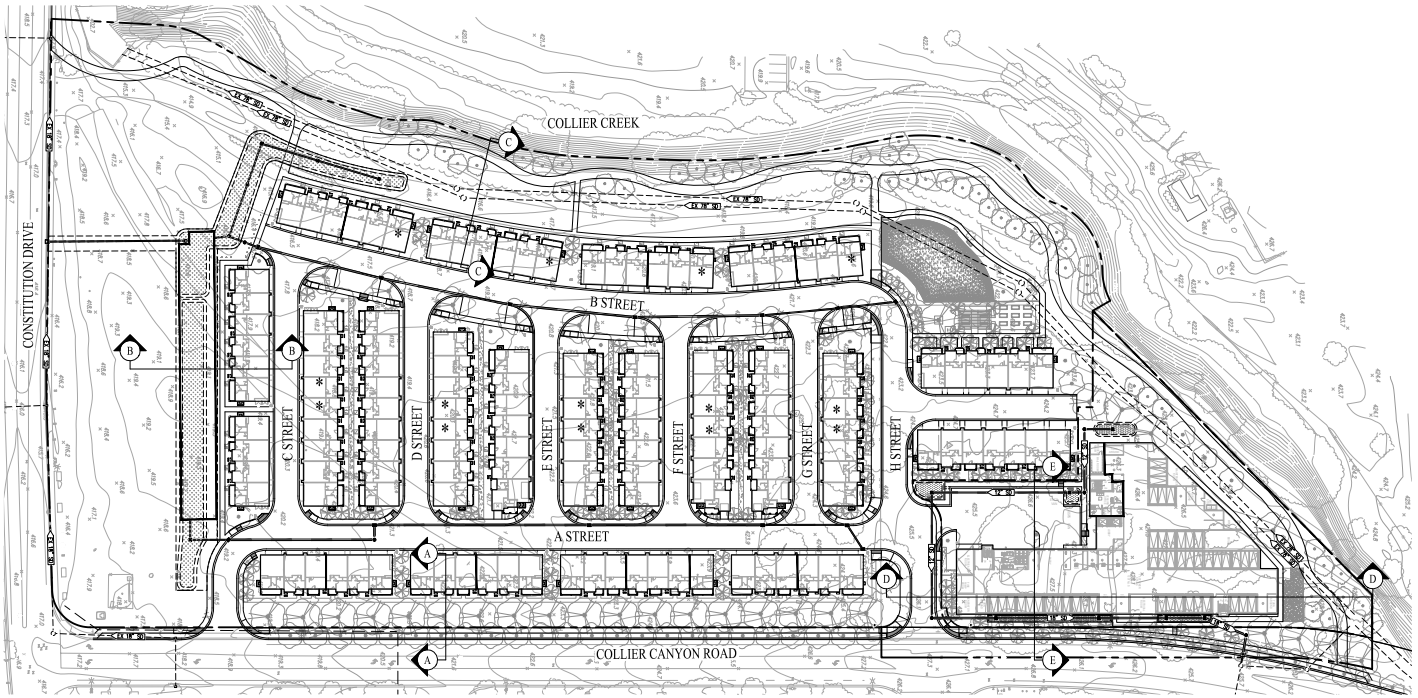
SECTION C-C
SCALE: 1" = 10'



SECTION D-D
SCALE:1" = 10'



SECTION E-E
SCALE:1" = 10'



PRELIMINARY GRADING SECTIONS
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

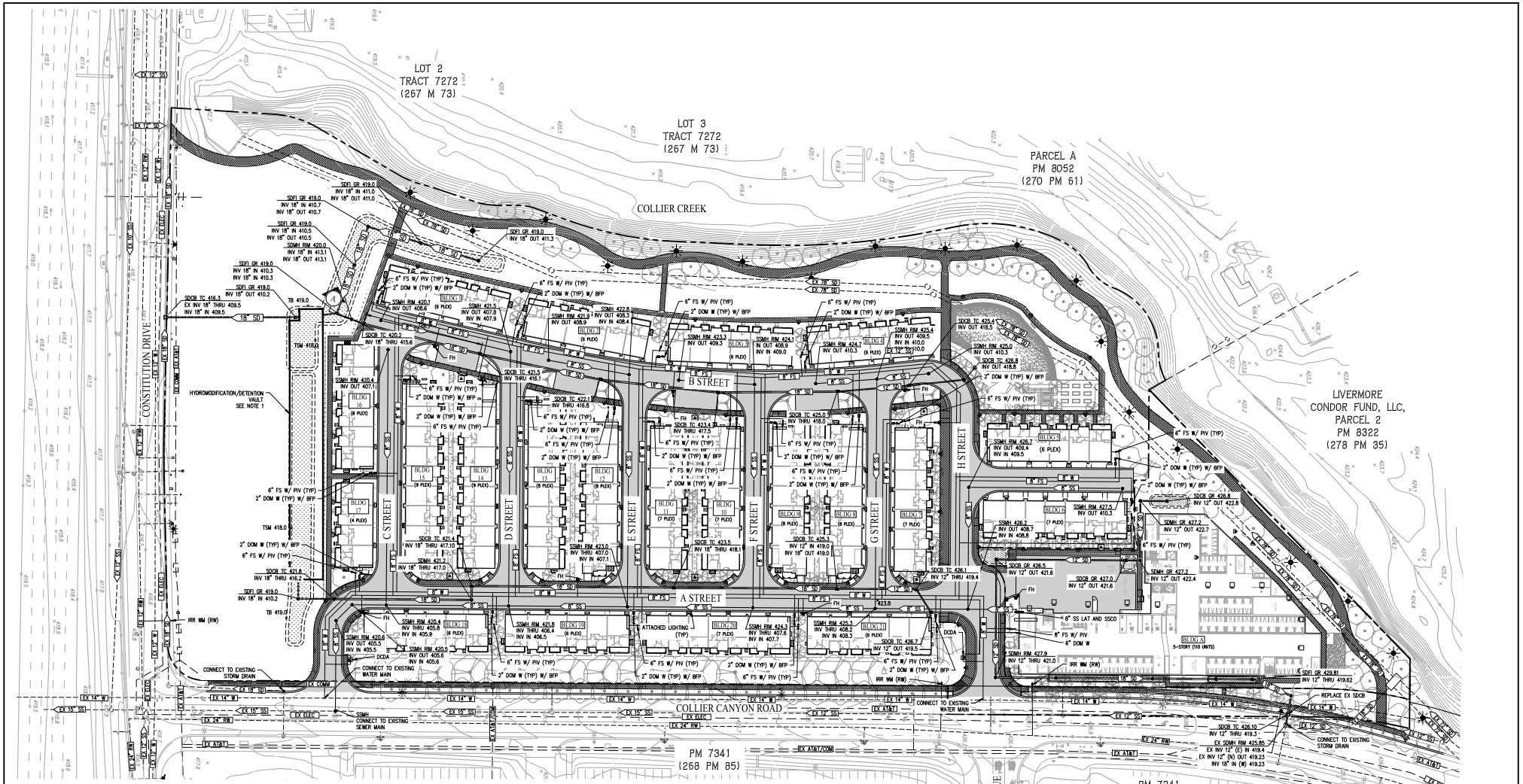
SCALE: 1" = 50' DATE: DECEMBER 6, 2024

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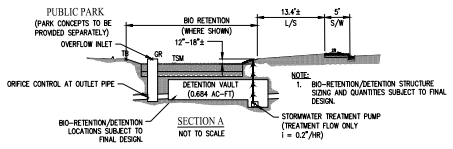
LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE
		ADJACENT PROPERTY LINE
EX 15" SS	8" SS	SANITARY SEWER PIPE
EX 18" SD	12" SD	STORM DRAIN PIPE
EX 14" W	8" W	WATER PIPE–DOMESTIC
	8" FS	WATER PIPE–PRIVATE FIRE SERVICE
		WATER LATERAL
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		STORM DRAIN INLET
		STORM DRAIN CATCH BASIN

EXISTING	PROPOSED	DESCRIPTION
		BIO–RETENTION AREA
		FIRE HYDRANT (FH)
		DOUBLE CHECK DETECTOR ASSEMBLY (DCDA)
		BACKFLOW PREVENTER (BFP) AND METER
		POST INDICATOR VALVE
		STREET LIGHT
		ATTACHED LIGHT

ABBREVIATIONS

BLDG	BUILDING
BW	BACK OF WALK
EX	EXISTING
FC	FACE OF CURB
FF	FINISH FLOOR ELEVATION
L/S	LANDSCAPE
PL	PROPERTY LINE
PUE	PUBLIC UTILITY EASEMENT
RW	RECYCLED WATER
SD	STORM DRAIN
SSCO	SANITARY SEWER CLEANOUT
S/W	SIDEWALK
TB	TOP OF BIO–RETENTION
TSM	TOP OF SOIL MIX
WM	WATER METER



PRELIMINARY UTILITY PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

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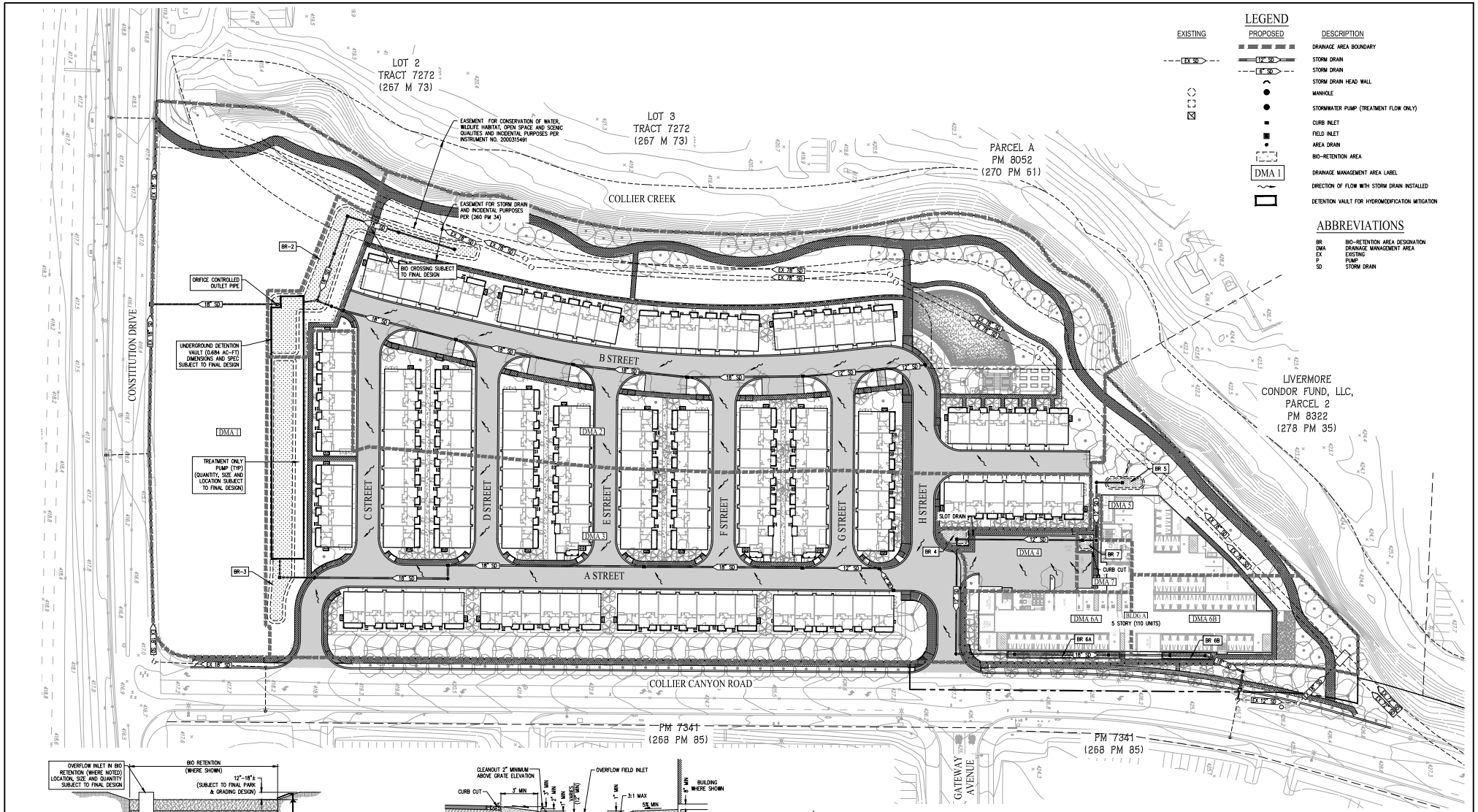
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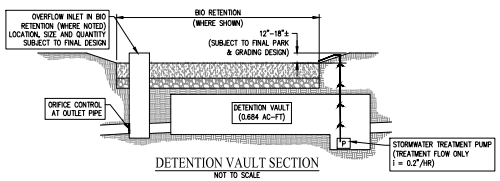
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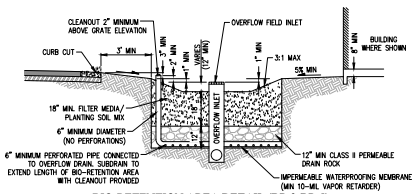
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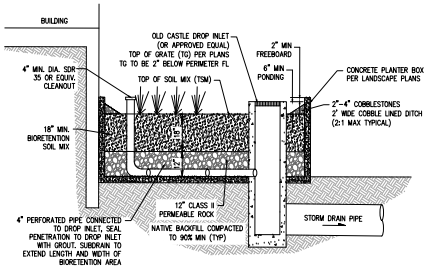




DETENTION VAULT SECTION
NOT TO SCALE



BIO-RETENTION AREA DETAIL (BR 2-BR 5)
NOT TO SCALE



RAISED BIO-RETENTION PLANTER (BR 6A & BR 6B)
NOT TO SCALE

STORM WATER TREATMENT SUMMARY

DMA	TOTAL DMA AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	EFFECTIVE IMPERVIOUS AREA (SF)	TREATMENT AREA REQUIRED (SF) 4%	TREATMENT AREA PROVIDED (SF)	TREATMENT TYPE
1	82955	0	82955	8296	–	–	SELF-TREATING[4]
2	233008	127516	82955	135811	5432	5522	BR-2
3	182234	118393	105493	128942	5158	5164	BR-3
4	8932	7748	1184	7866	315	356	BR-4
5	22846	7956	14890	9445	378	386	BR-5
6A	14027	10751	3276	11079	443	443	BR-6A
6B	22218	12058	10160	13074	523	530	BR-6B
7	4120	3255	865	3342	134	135	BR-7

NOTES:
1) DMA 1 DEPENDENT ON FINAL PARK DESIGN FOR BIO-RETENTION LAYOUT.
2) EFFECTIVE IMPERVIOUS AREA CALCULATED IN COMPLIANCE WITH THE ALAMEDA COUNTY C.3 GUIDEBOOK. EFFECTIVE IMPERVIOUS AREA = IMPERVIOUS AREA + 0.10 * PERVIOUS SURFACE.
3) REQUIRED BIO RETENTION AREA = 4% OF EFFECTIVE IMPERVIOUS AREA.
4) FUTURE PARK DESIGN MAY REQUIRE ADDITIONAL BIO-RETENTION DEPENDING ON FINAL IMPERVIOUS SURFACE SQUARE FOOTAGE AND OPTION FOR SELF-RETAINING/LID OPPORTUNITIES.
5) LOCATION, SIZE AND SPEC FOR DETENTION VAULT IS SUBJECT TO FINAL DESIGN.

PRELIMINARY STORMWATER CONTROL PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES

CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

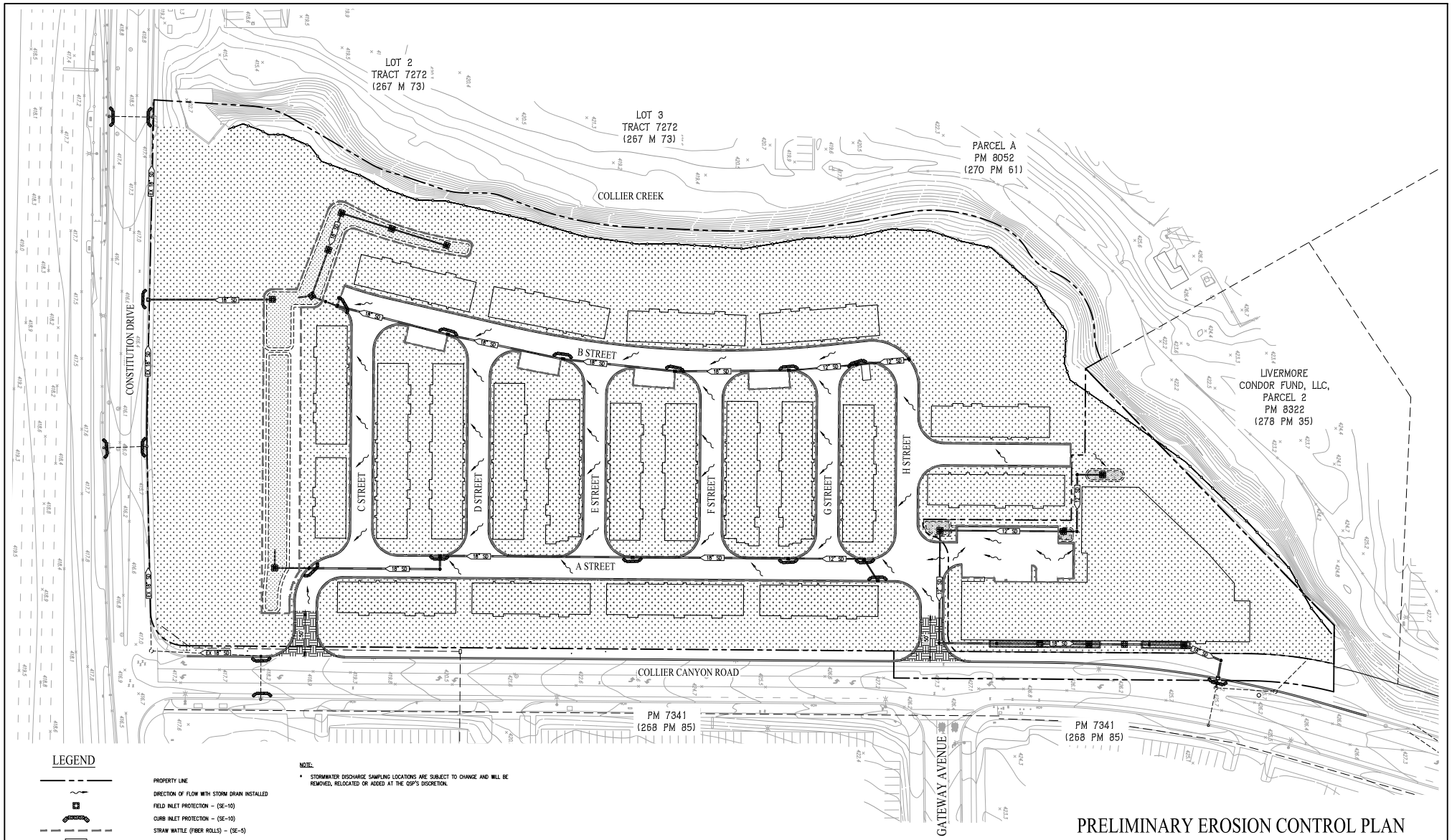
SCALE: 1" = 40' DATE: DECEMBER 6, 2024

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JOB NO.: 3181-000

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SHEET NO. TM 6.0 OF 14 SHEETS



LEGEND

- PROPERTY LINE
- DIRECTION OF FLOW WITH STORM DRAIN INSTALLED
- FIELD INLET PROTECTION – (SE-10)
- CURB INLET PROTECTION – (SE-10)
- STRAW WATTLE (FIBER ROLLS) – (SE-5)
- HYDROSEED MIX OR HYDROMULCH – (EC-4 OR EC-3)
- STABILIZED CONSTRUCTION ENTRANCE/EXIT – (TC-1)
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- PROPOSED FIELD INLET/CATCH BASIN
- SILT FENCE – (SE-1)

NOTE:

* STORMWATER DISCHARGE SAMPLING LOCATIONS ARE SUBJECT TO CHANGE AND WILL BE REMOVED, RELOCATED OR ADDED AT THE QSP'S DISCRETION.

PRELIMINARY EROSION CONTROL PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

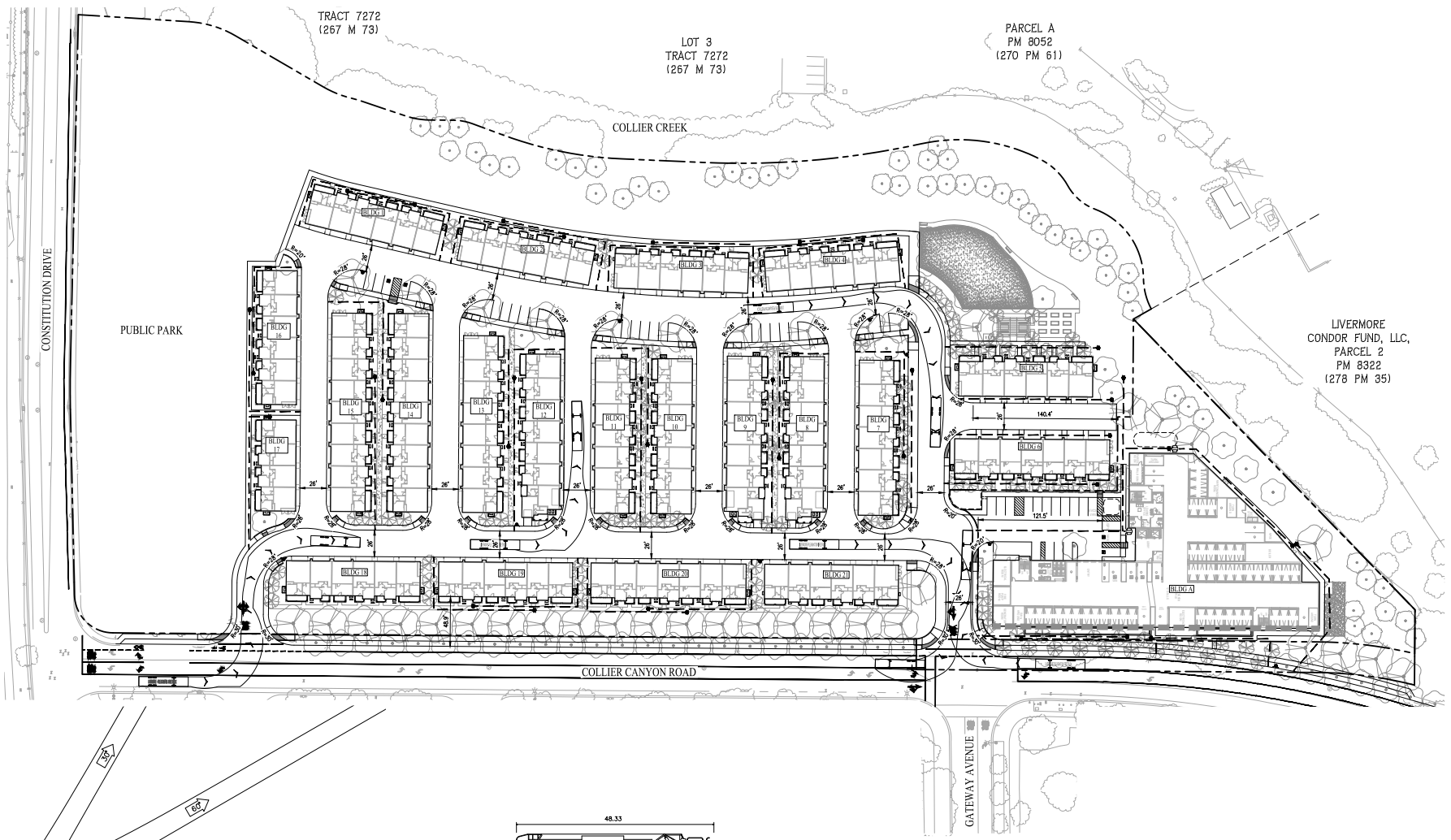
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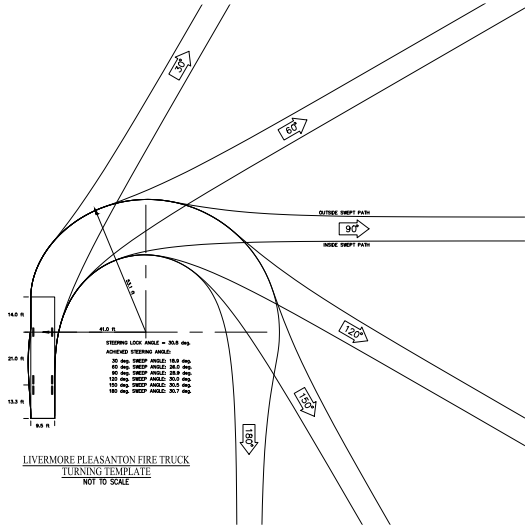
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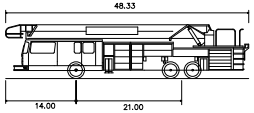
SHEET NO.
TM 7.0
OF 14 SHEETS

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LIVERMORE PLEASANTON FIRE TRUCK
TURNING TEMPLATE
NOT TO SCALE



LIVERMORE–PLEASANTON FIRETRUCK	
Overall Length	48.330ft
Overall Width	9.500ft
Overall Body Height	10.698ft
Min Body Ground Clearance	1.129ft
Track Width	8.330ft
Lock-to-lock time	7.00s
Max Wheel Angle	30.80°

LIVERMORE-PLEASANTON FIRE TRUCK
NOT TO SCALE

LEGEND

- PROPOSED PROPERTY LINE
- PROPOSED FIRE HYDRANT
- R RADIUS
- FIRE HOSE PULL (150' MAX)
- AERIAL FIRE APPARATUS ACCESS
- BUILDING STANDPIPE

PRELIMINARY FIRE HYDRANT & FIRE ACCESS PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

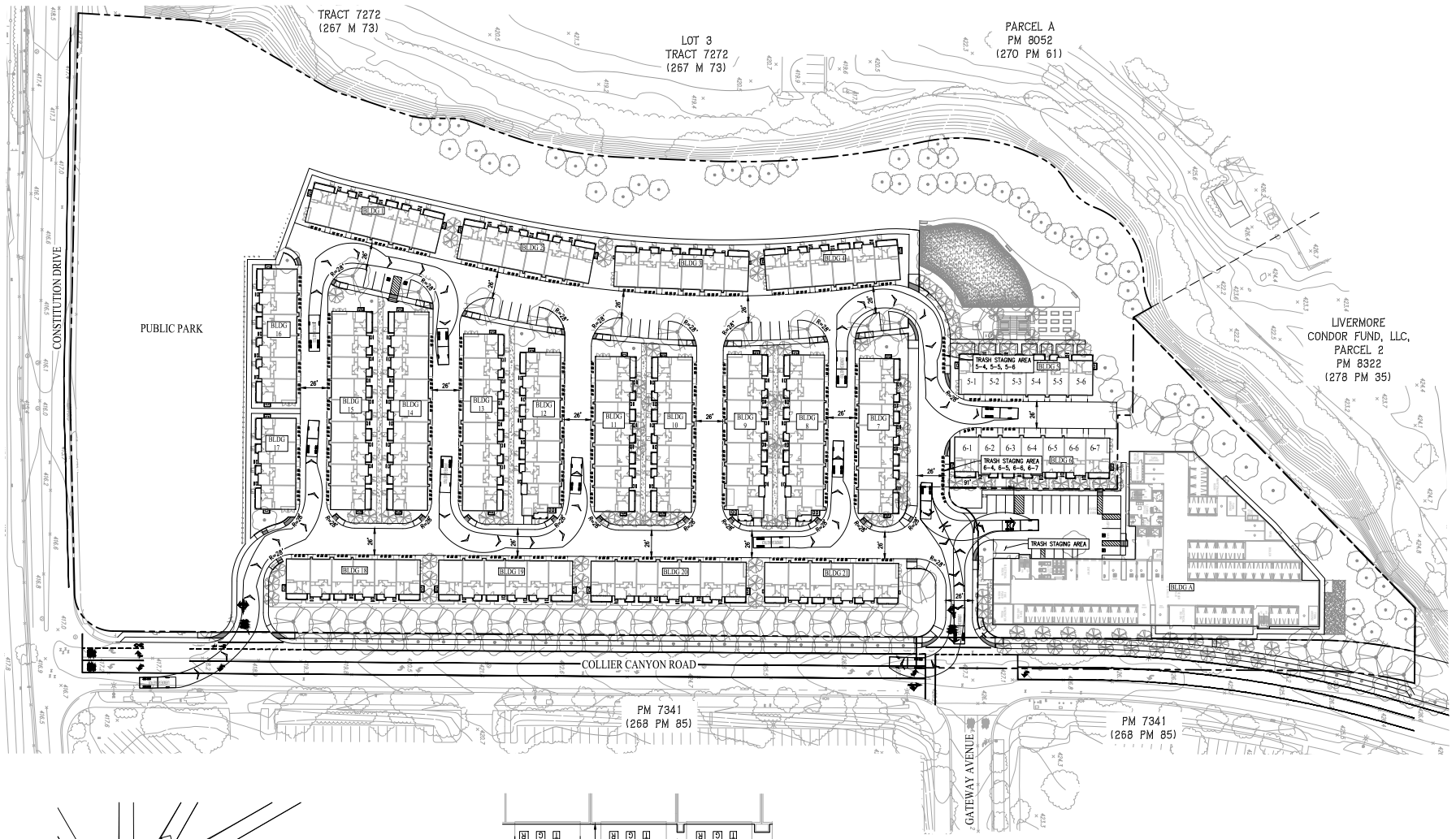
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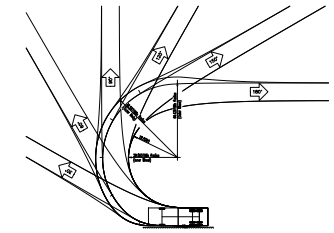
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SHEET NO.
TM 8.0
OF 14 SHEETS

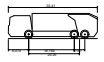
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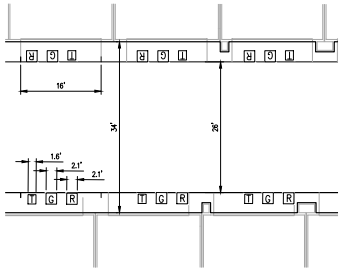


NOTE: BASED ON DESIGN SPEED OF 5 MPH

LIVERMORE GARBAGE TRUCK
TURNING TEMPLATE
NOT TO SCALE



LIVERMORE GARBAGE TRUCK
NOT TO SCALE



TYPICAL TRASH DRIVEWAY DETAIL
1" = 10'

LEGEND

PROPOSED PROPERTY LINE

ADJACENT PROPERTY LINE

T G R — TRASH, RECYCLING AND GREENWASTE BINS (ASSUMED 2' SPACING)

T — TRASH (SIZE–32 GALLON – 22.25" DEPTH X 19.00" WIDTH)

R — RECYCLING (SIZE–96 GALLON – 23.38" DEPTH X 25.25" WIDTH)

G — GREENWASTE (SIZE–96 GALLON – 23.38" DEPTH X 25.25" WIDTH)

PRELIMINARY TRASH SERVICE PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

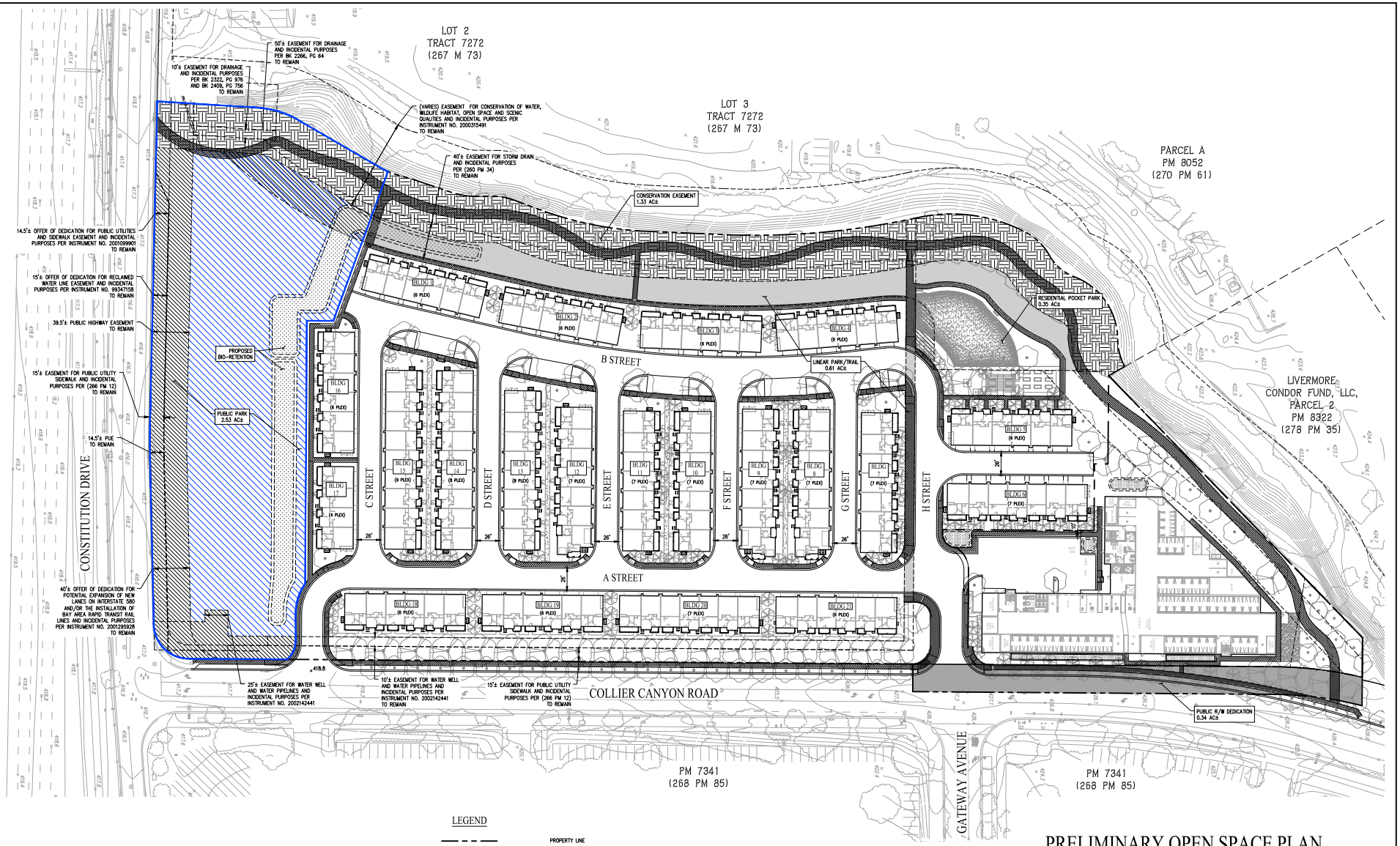
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OF 14 SHEETS

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RECREATION AREA SUMMARY						
PARCEL	TOTAL PARCEL (AC)	OPEN SPACE/PARK (AC)	LINEAR PARK/TRAIL (AC)	CONSERVATION EASEMENT (AC)	EXISTING EASEMENTS (AC)	OPEN SPACE AREA (AC)
PUBLIC PARK	2.53	2.25[1]	–	0.30	0.71	1.57[3]
RESIDENTIAL HOUSING	8.92	0.35	0.61	1.03	0.03	1.96[2]
R/W DEDICATION	0.34	–	–	–	–	–
TOTAL:	11.79	2.60	0.61	1.33	0.74	3.53

NOTE:
1) INCLUSIVE OF ENTIRE PARK PARCEL. EXCLUDES 0.28AC± OF BIO RETENTION AREA.
2) INCLUSIVE OF OPEN SPACE IN PARK & CONSERVATION EASEMENT. EXCLUDES EXISTING EASEMENT AREA.
3) INCLUSIVE OF OPEN SPACE IN PARK, LINEAR PARK/TRAIL & CONSERVATION EASEMENT. EXCLUDES EXISTING EASEMENT AREA.

LEGEND

- PROPERTY LINE
- PARK PARCEL LINE
- PARK SPACE
- LINEAR PARK/TRAIL AREA
- CONSERVATION EASEMENT
- EASEMENTS
- BIORETENTION
- PUBLIC RIGHT OF WAY DEDICATION

PRELIMINARY OPEN SPACE PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

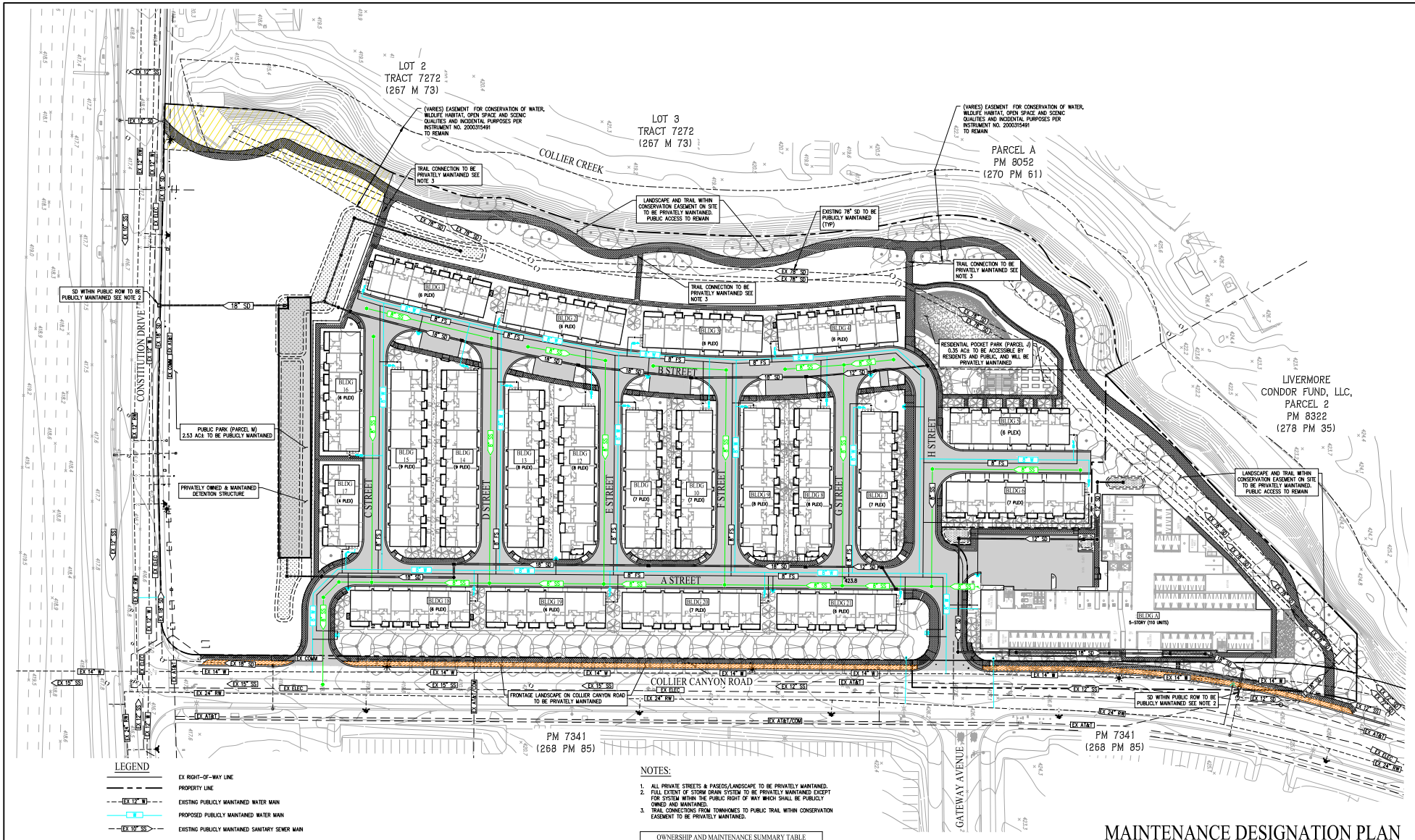
SCALE: 1" = 40' DATE: DECEMBER 6, 2024

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SHEET NO. TM 10.0 OF 14 SHEETS



LEGEND

- EX RIGHT-OF-WAY LINE
- PROPERTY LINE
- EXISTING PUBLICLY MAINTAINED WATER MAIN
- PROPOSED PUBLICLY MAINTAINED WATER MAIN
- EXISTING PUBLICLY MAINTAINED SANITARY SEWER MAIN
- PROPOSED PUBLICLY MAINTAINED SANITARY SEWER MAIN
- EXISTING PUBLICLY MAINTAINED STORM DRAIN MAIN
- PROPOSED PRIVATELY OWNED & MAINTAINED STORM DRAIN MAIN
- PRIVATELY OWNED & MAINTAINED FIRE SERVICE MAIN
- PRIVATELY OWNED & MAINTAINED BIO-RETENTION AREA (INCLUDES BIO RETENTION IN PARK)
- PRIVATELY OWNED & MAINTAINED STORM DRAIN CATCH BASIN, HEADWALL & FIELD INLET
- PRIVATELY OWNED & MAINTAINED STORM DRAIN MANHOLE
- PUBLICLY OWNED & MAINTAINED SANITARY SEWER MANHOLE
- PUBLICLY OWNED & MAINTAINED FIRE HYDRANT
- PUBLICLY OWNED & MAINTAINED WATER METER AND LATERAL
- CONSERVATION EASEMENT AREA
- COLLIER CANYON ROAD FRONTAGE LANDSCAPE TO BE PRIVATELY MAINTAINED
- PRIVATELY OWNED & MAINTAINED DETENTION STRUCTURE

NOTES:

1. ALL PRIVATE STREETS & PASEOS/LANDSCAPE TO BE PRIVATELY MAINTAINED.
2. FULL EXTENT OF STORM DRAIN SYSTEM TO BE PRIVATELY MAINTAINED EXCEPT FOR SYSTEM WITHIN THE PUBLIC RIGHT OF WAY WHICH SHALL BE PUBLICLY OWNED AND MAINTAINED.
3. TRAIL CONNECTIONS FROM TOWNHOMES TO PUBLIC TRAIL WITHIN CONSERVATION EASEMENT TO BE PRIVATELY MAINTAINED.

OWNERSHIP AND MAINTENANCE SUMMARY TABLE

ITEM	OWNERSHIP/MAINTENANCE RESPONSIBILITY
SANITARY SEWER	CITY OF LIVERMORE
WATER	CITY OF LIVERMORE
FIRE SERVICE	PRIVATE
STORM DRAIN	PRIVATE
PUBLIC PARK (PARCEL M)	CITY OF LIVERMORE
POCKET PARK (PARCEL J)	PRIVATE
A-H STREET	PRIVATE
BIO RETENTION AREA & DETENTION STRUCTURE	PRIVATE
ONSITE PRIVATE PARKING	PRIVATE
FRONTAGE LANDSCAPE	PRIVATE
TRAIL & LANDSCAPING WITHIN CONSERVATION EASEMENT	CITY OF LIVERMORE

MAINTENANCE DESIGNATION PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

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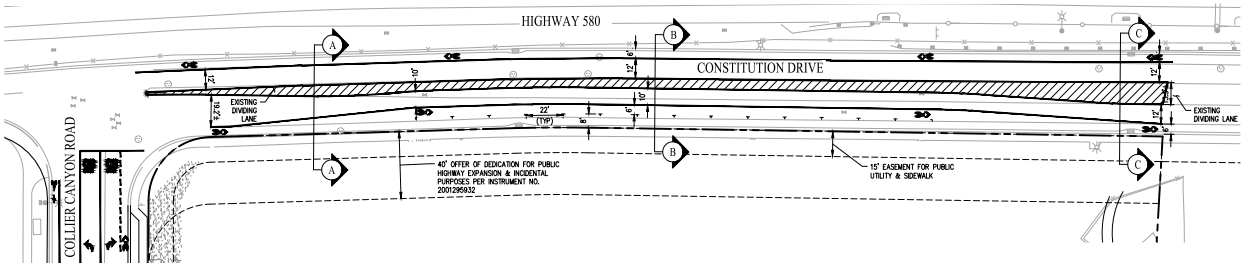
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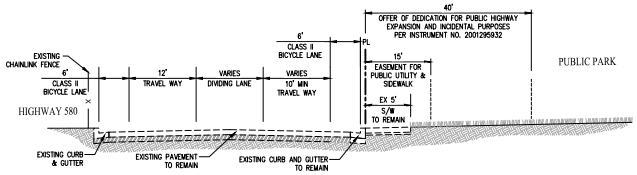
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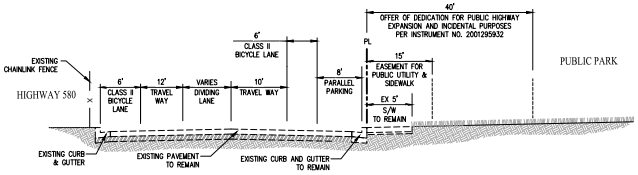
SHEET NO. TM 11.0 OF 14 SHEETS

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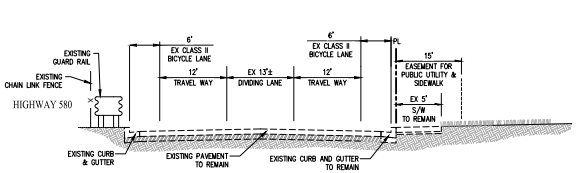




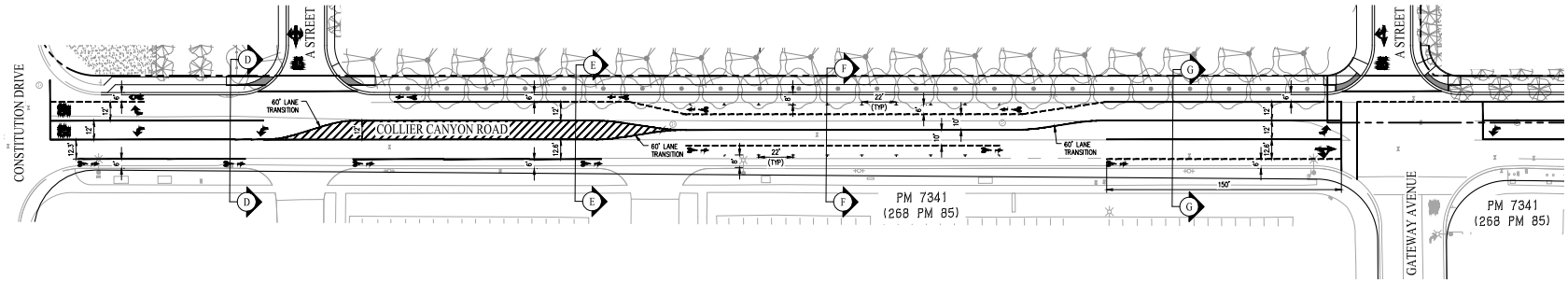
CONSTITUTION DRIVE SECTION A-A
NOT TO SCALE

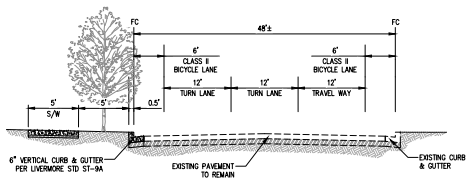


CONSTITUTION DRIVE SECTION B-B
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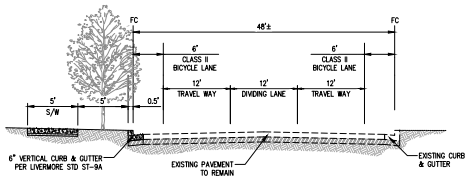


CONSTITUTION DRIVE SECTION C-C
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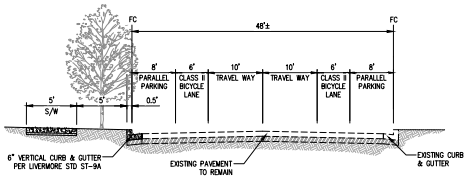




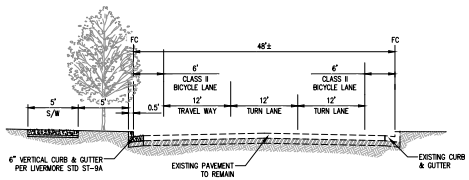
COLLIER CANYON ROAD SECTION D-D
NOT TO SCALE



COLLIER CANYON ROAD SECTION E-E
NOT TO SCALE



COLLIER CANYON ROAD SECTION F-F
NOT TO SCALE



COLLIER CANYON ROAD SECTION G-G
NOT TO SCALE

NOTE:

1. STRIPING AND PARKING SHOWN IS CONCEPTUAL. FINAL STRIPING AND PARKING STALLS PROVIDED ALONG COLLIER CANYON & CONSTITUTION ROAD SUBJECT TO CHANGE DURING IMPROVEMENT PLAN DESIGN.

CONCEPTUAL PLAN LINE STUDY
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: DECEMBER 6, 2024

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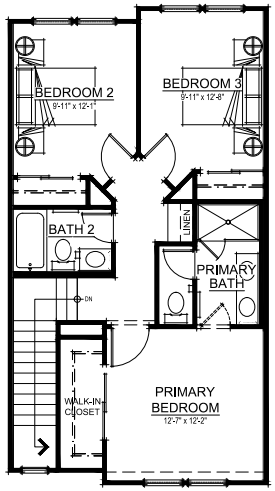
NOTE: SEE SHT. A39 FOR COLOR SCHEMES

373.023 Cornerstone
Livermore, CA
November 8, 2024

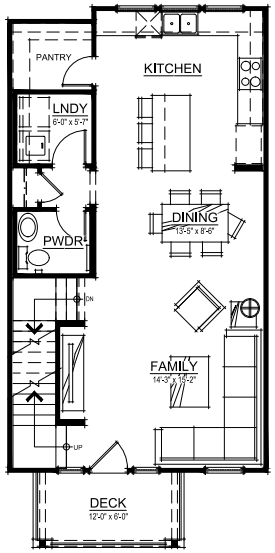
COLOR SCHEME SITE PLAN
A0

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925.648.8300

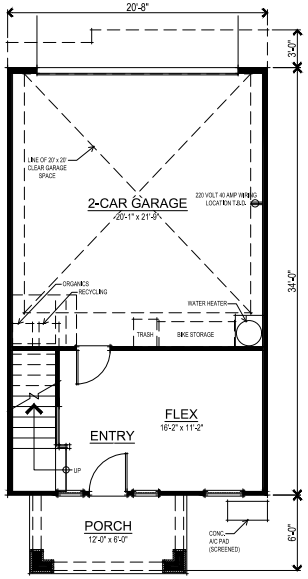
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Brentwood, CA 94513
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THIRD FLOOR PLAN



SECOND FLOOR PLAN



FIRST FLOOR PLAN

UNIT 1 SQUARE FOOTAGE	
FIRST FLOOR	244 SQ. FT.
SECOND FLOOR	758 SQ. FT.
THIRD FLOOR	724 SQ. FT.
TOTAL LIVING	1726 SQ. FT.
2-CAR GARAGE	459 SQ. FT.
PORCH	78 SQ. FT.
DECK	72 SQ. FT.

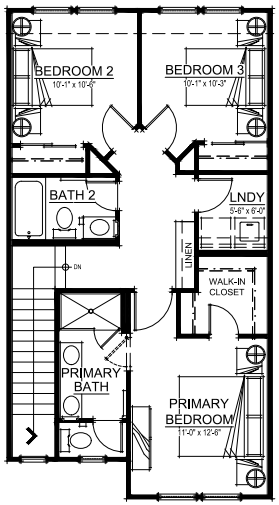
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373.023 Cornerstone
Livermore, CA
September 11, 2024

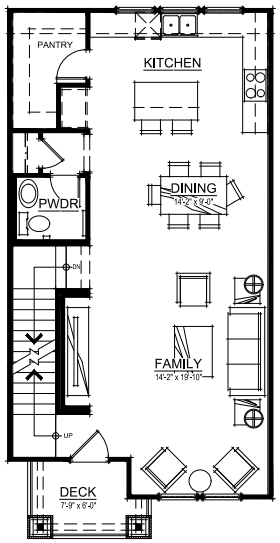
UNIT 1 FLOOR PLANS
A1

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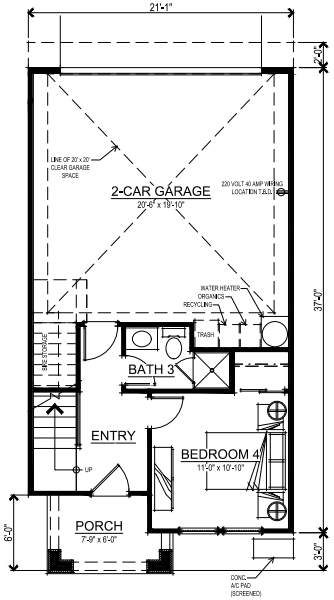
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THIRD FLOOR PLAN



SECOND FLOOR PLAN



FIRST FLOOR PLAN

UNIT 2 SQUARE FOOTAGE	
FIRST FLOOR	288 SQ. FT.
SECOND FLOOR	794 SQ. FT.
THIRD FLOOR	762 SQ. FT.
TOTAL LIVING	1844 SQ. FT.
2-CAR GARAGE	464 SQ. FT.
PORCH	56 SQ. FT.
DECK	53 SQ. FT.

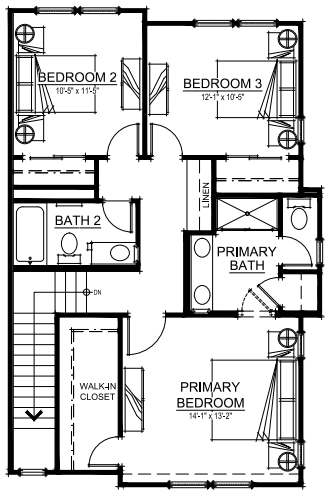
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373.023 Cornerstone
Livermore, CA
September 11, 2024

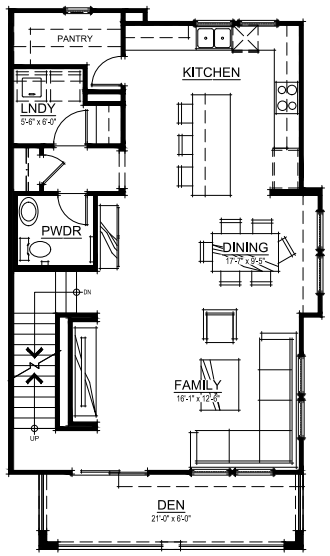
UNIT 2 FLOOR PLANS
A2

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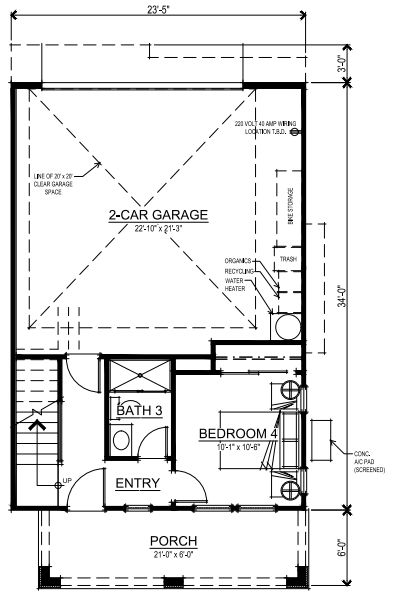
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THIRD FLOOR PLAN



SECOND FLOOR PLAN



FIRST FLOOR PLAN

UNIT 3 SQUARE FOOTAGE	
FIRST FLOOR	297 SQ. FT.
SECOND FLOOR	868 SQ. FT.
THIRD FLOOR	839 SQ. FT.
TOTAL LIVING	2004 SQ. FT.
2-CAR GARAGE	499 SQ. FT.
PORCH	126 SQ. FT.
DECK	126 SQ. FT.

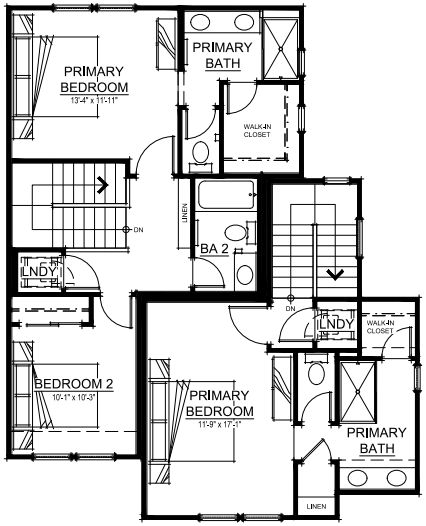
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373.023 Cornerstone
Livermore, CA
September 11, 2024

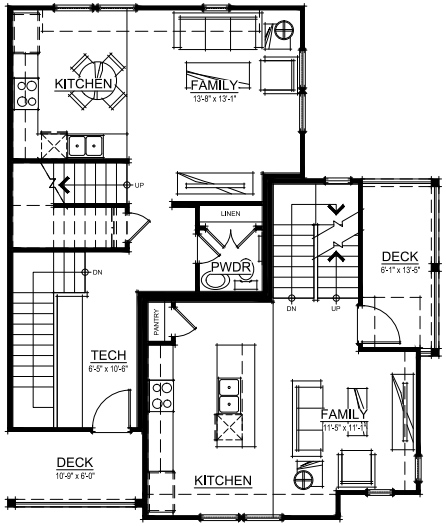
UNIT 3 FLOOR PLANS
A3

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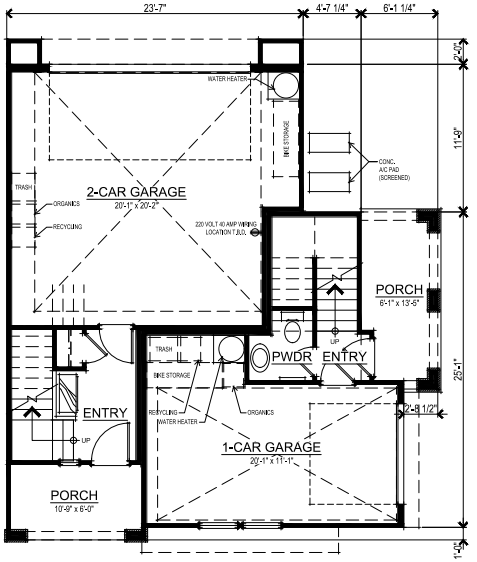
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THIRD FLOOR PLAN



SECOND FLOOR PLAN



FIRST FLOOR PLAN

UNIT 5 SQUARE FOOTAGE	
FIRST FLOOR	119 SQ. FT.
SECOND FLOOR	593 SQ. FT.
THIRD FLOOR	599 SQ. FT.
TOTAL LIVING	1311 SQ. FT.
2-CAR GARAGE	468 SQ. FT.
PORCH	65 SQ. FT.
DECK	64 SQ. FT.

UNIT 4 SQUARE FOOTAGE	
FIRST FLOOR	115 SQ. FT.
SECOND FLOOR	430 SQ. FT.
THIRD FLOOR	377 SQ. FT.
TOTAL LIVING	922 SQ. FT.
1-CAR GARAGE	274 SQ. FT.
PORCH	80 SQ. FT.
DECK	83 SQ. FT.

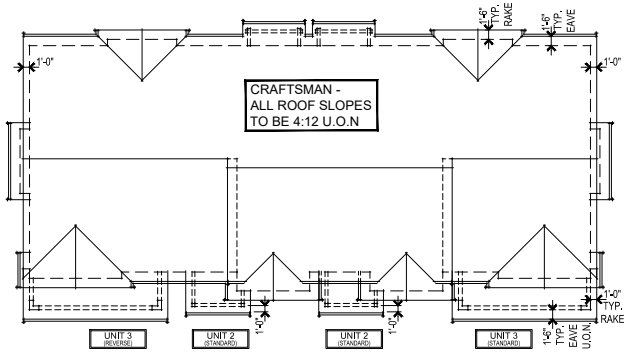
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373.023 Cornerstone
Livermore, CA
September 11, 2024

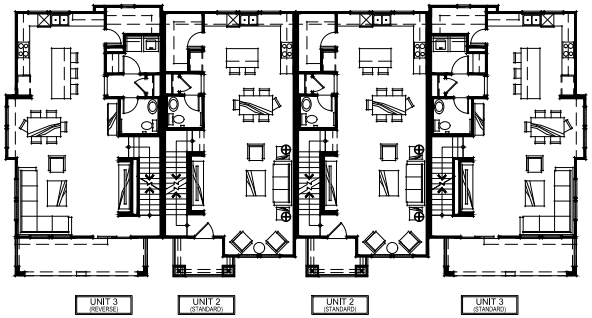
(AFFORDABLE UNITS) UNIT RT 4_5 FLOOR PLANS
A4

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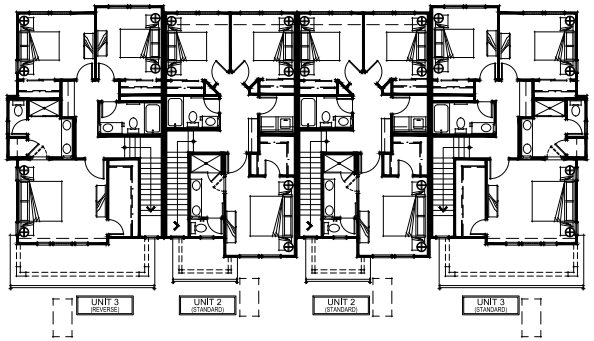
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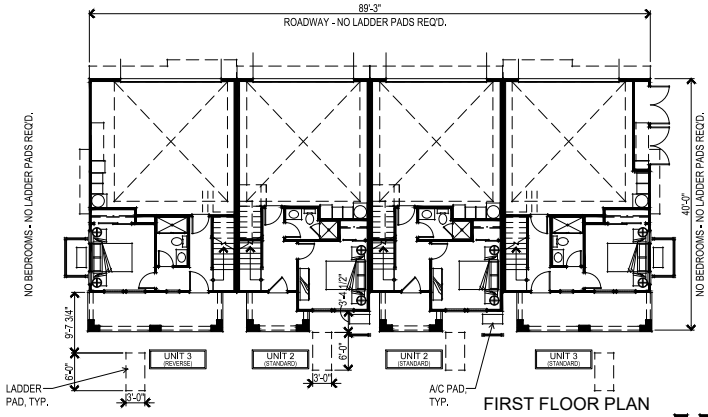
ROOF PLAN



SECOND FLOOR PLAN



THIRD FLOOR PLAN



FIRST FLOOR PLAN

373.023 Cornerstone
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September 11, 2024

4 UNIT BUILDING FLOOR & ROOF PLANS
A5

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 3

373.023 Cornerstone
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November 8, 2024

4 UNIT BUILDING CRAFTSMAN ELEVATIONS
A6

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 4

373.023 Cornerstone
Livermore, CA
November 8, 2024

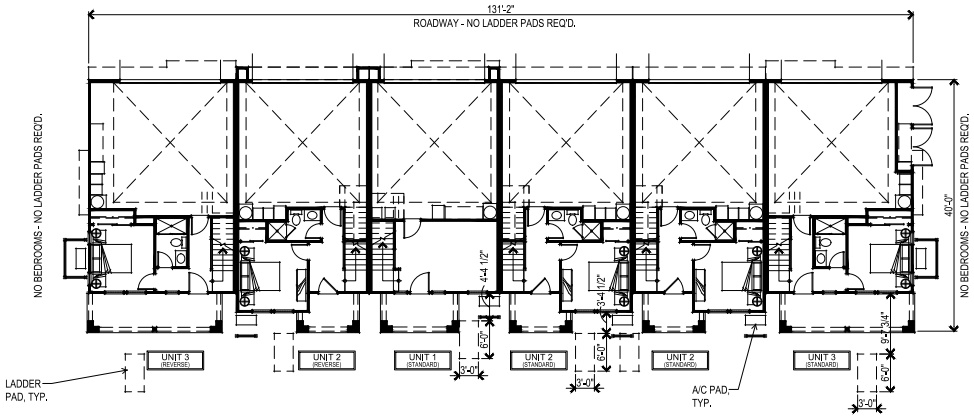
4 UNIT BUILDING CRAFTSMAN ELEVATIONS
A6.1

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SECOND FLOOR PLAN



FIRST FLOOR PLAN

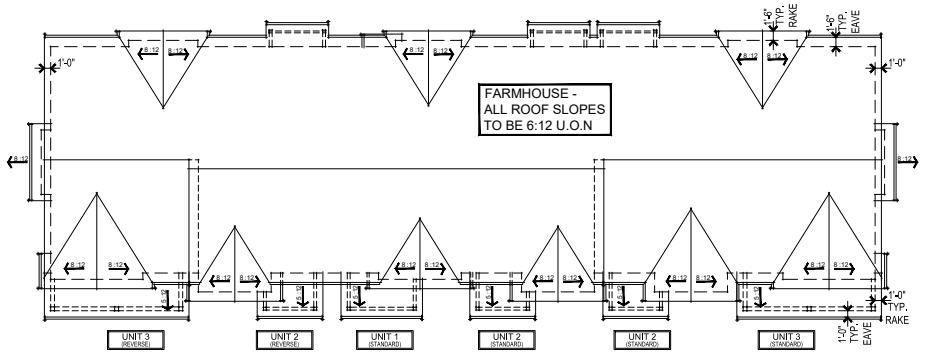
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373.023 Cornerstone
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September 11, 2024

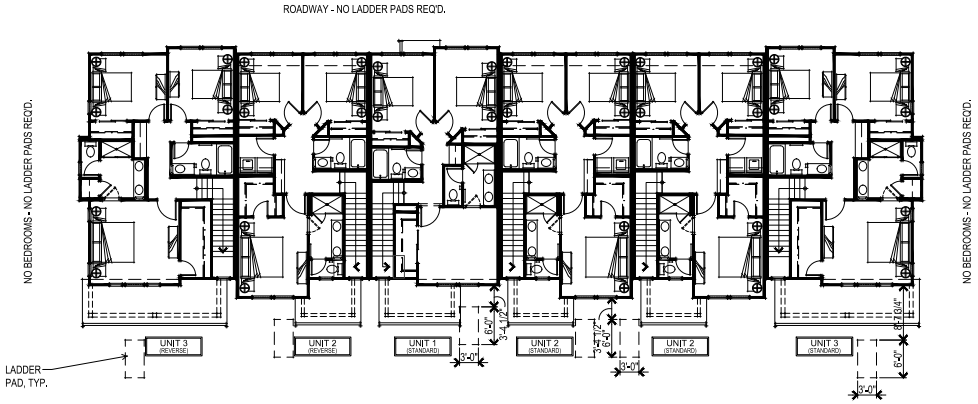
6 UNIT BUILDING FLOOR PLANS
A7

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ROOF PLAN



THIRD FLOOR PLAN

0 2 4 6 8 16'

373.023 Cornerstone
Livermore, CA
September 11, 2024

6 UNIT BUILDING THIRD FLOOR & ROOF PLANS
A8

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 1

373.023 Cornerstone
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6 UNIT BUILDING FARMHOUSE ELEVATIONS
A9

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 2

373.023 Cornerstone
Livermore, CA
November 8, 2024

6 UNIT BUILDING FARMHOUSE ELEVATIONS
A9.1

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 3

373.023 Cornerstone
Livermore, CA
November 8, 2024

6 UNIT BUILDING CRAFTSMAN ELEVATIONS
A10

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 4

373.023 Cornerstone
Livermore, CA
November 8, 2024

6 UNIT BUILDING CRAFTSMAN ELEVATIONS
A10.1

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 5

373.023 Cornerstone
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6 UNIT BUILDING REGENCY ELEVATIONS
A11

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

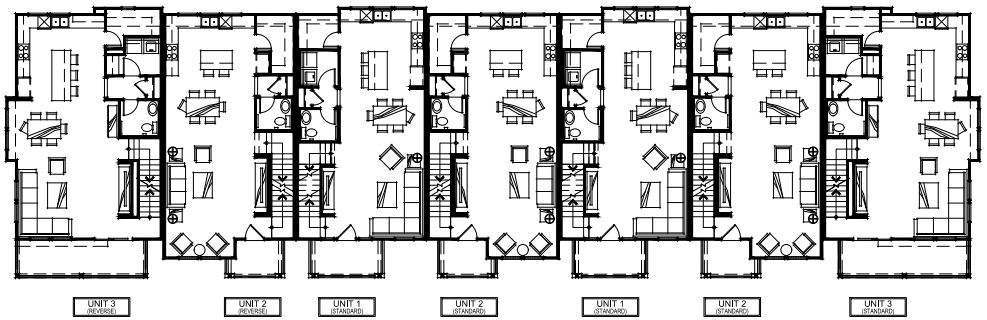
COLOR SCHEME 6

373.023 Cornerstone
Livermore, CA
November 8, 2024

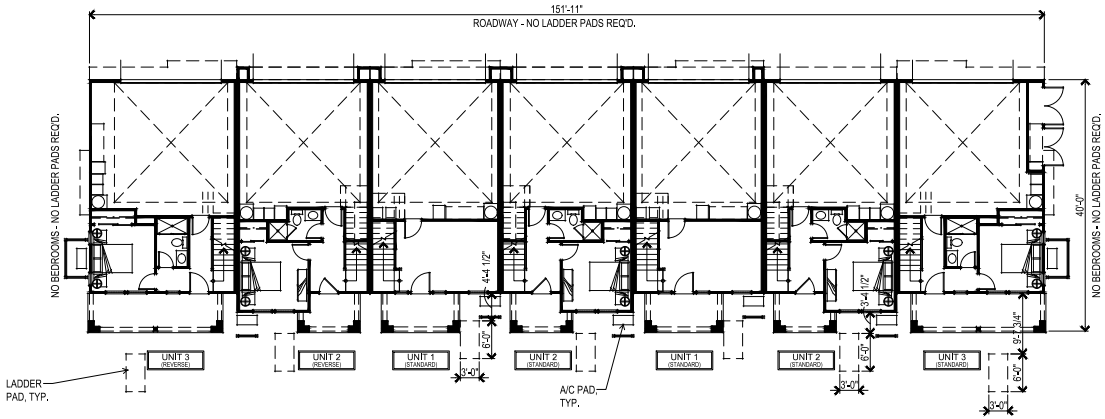
6 UNIT BUILDING REGENCY ELEVATIONS
A11.1

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SECOND FLOOR PLAN



FIRST FLOOR PLAN

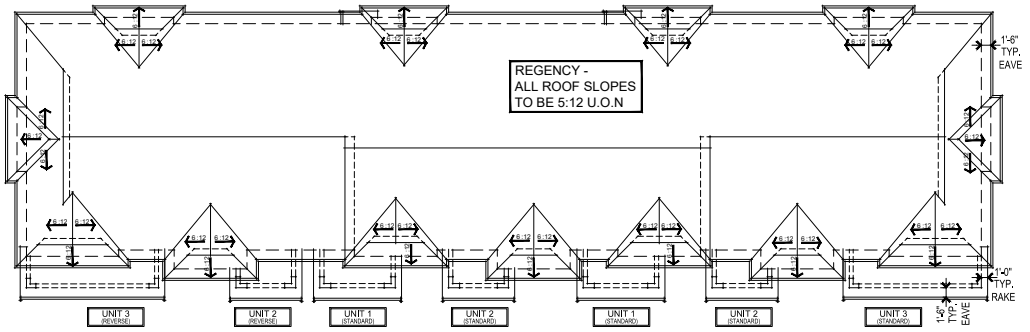
0 2 4 6 8 16

373.023 Cornerstone
Livermore, CA
September 11, 2024

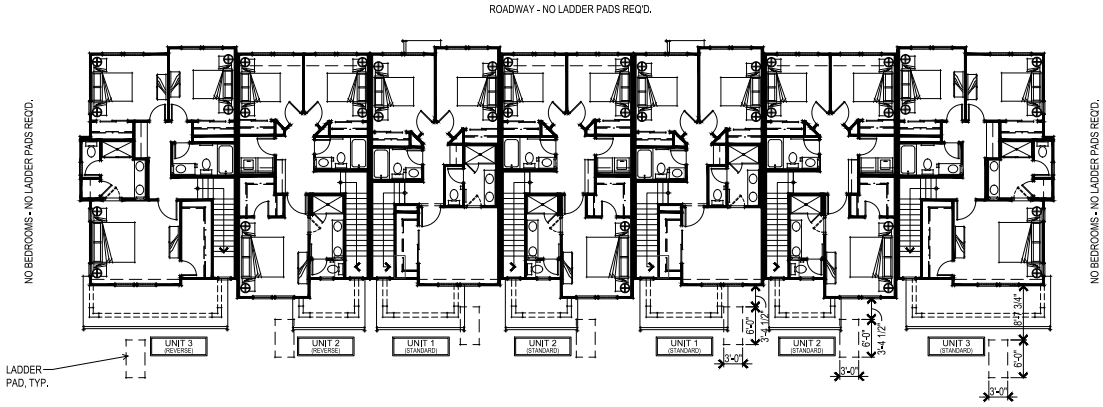
7 UNIT BUILDING FLOOR PLANS
A12

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ROOF PLAN



THIRD FLOOR PLAN

0 2 4 6 8 16'

373.023 Cornerstone
Livermore, CA
September 11, 2024

7 UNIT BUILDING THIRD FLOOR & ROOF PLANS
A13

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 1

373.023 Cornerstone
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7 UNIT BUILDING FARMHOUSE ELEVATIONS
A14

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 2

373.023 Cornerstone
Livermore, CA
November 8, 2024

7 UNIT BUILDING FARMHOUSE ELEVATIONS
A14.1

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 3

373.023 Cornerstone
Livermore, CA
November 8, 2024

7 UNIT BUILDING CRAFTSMAN ELEVATIONS
A15

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 4

373.023 Cornerstone
Livermore, CA
November 8, 2024

7 UNIT BUILDING CRAFTSMAN ELEVATIONS
A15.1

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 5

373.023 Cornerstone
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7 UNIT BUILDING REGENCY ELEVATIONS
A16

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

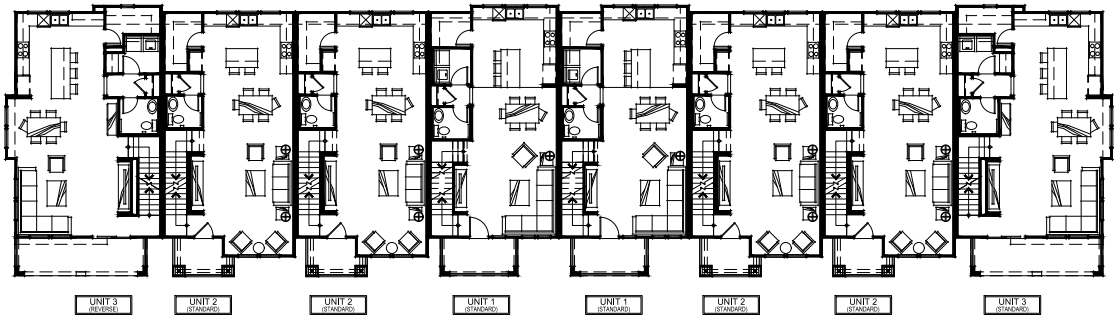
COLOR SCHEME 6

373.023 Cornerstone
Livermore, CA
November 8, 2024

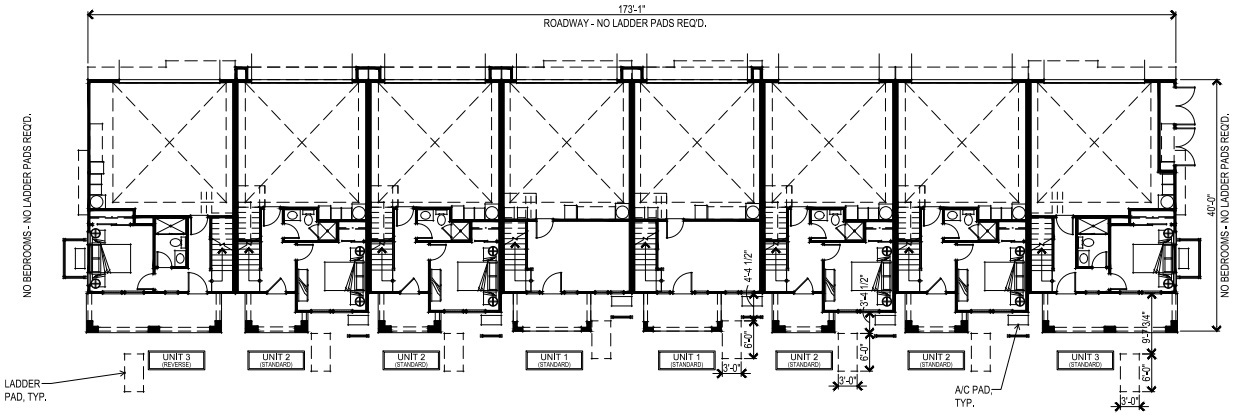
7 UNIT BUILDING REGENCY ELEVATIONS
A16.1

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SECOND FLOOR PLAN



FIRST FLOOR PLAN

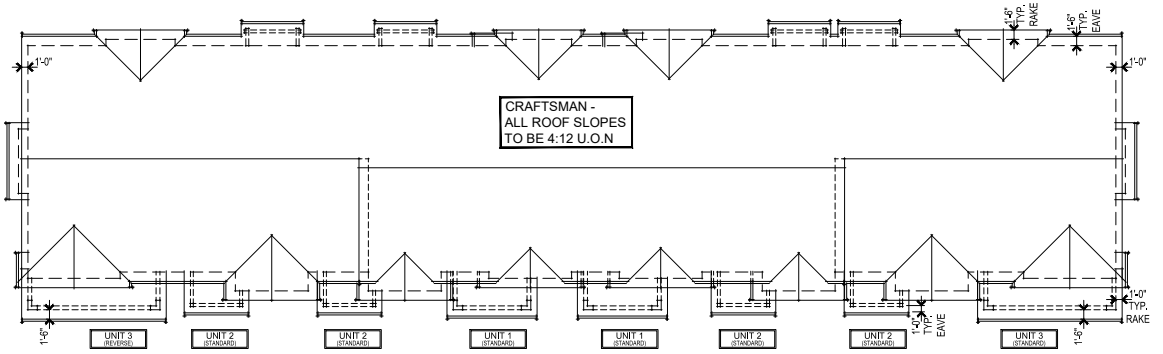
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373.023 Cornerstone
Livermore, CA
September 11, 2024

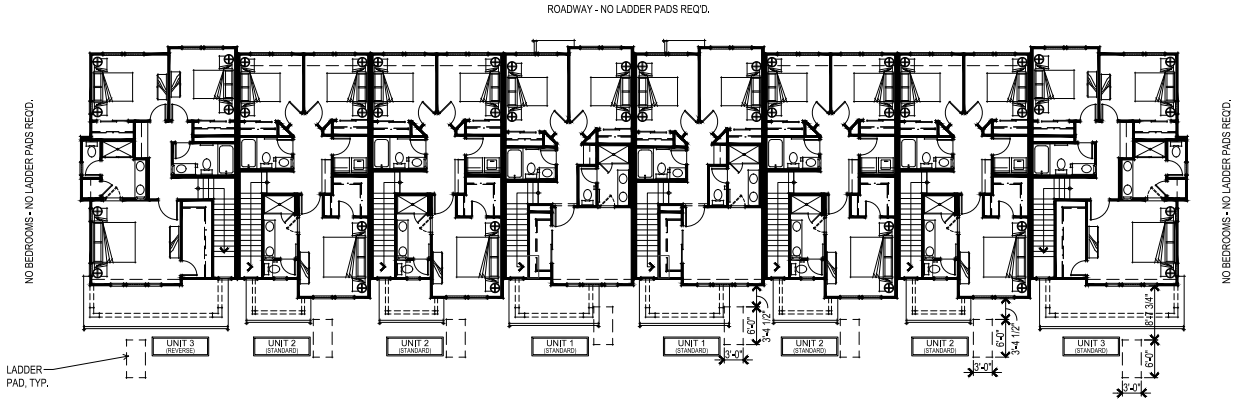
8 UNIT BUILDING FLOOR PLANS
A17

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ROOF PLAN



THIRD FLOOR PLAN

0 2 4 6 8 16'

373.023 Cornerstone
Livermore, CA
September 11, 2024

8 UNIT BUILDING THIRD FLOOR & ROOF PLANS
A18

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 3

373.023 Cornerstone
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November 8, 2024

8 UNIT BUILDING CRAFTSMAN ELEVATIONS
A19

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

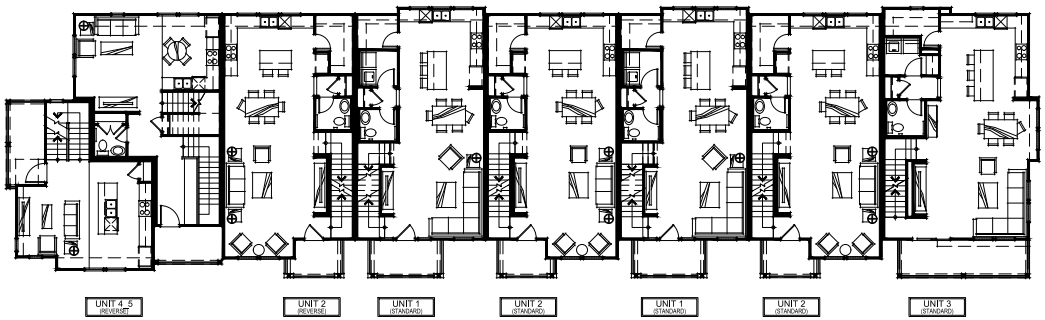
COLOR SCHEME 4

373.023 Cornerstone
Livermore, CA
November 8, 2024

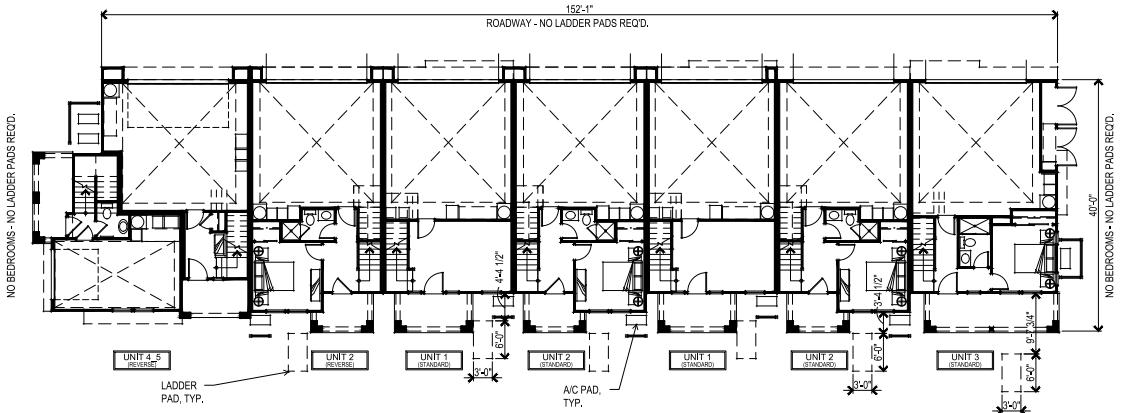
8 UNIT BUILDING CRAFTSMAN ELEVATIONS
A19.1

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SECOND FLOOR PLAN



FIRST FLOOR PLAN

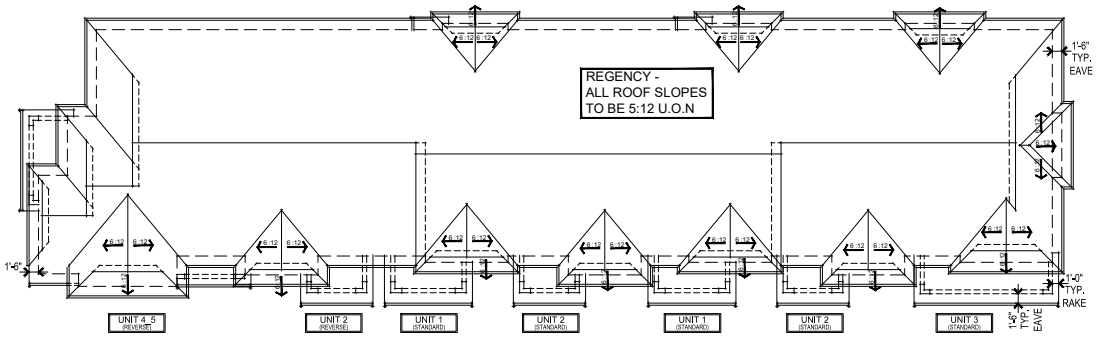
0 2 4 6 8 16'

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Livermore, CA
September 11, 2024

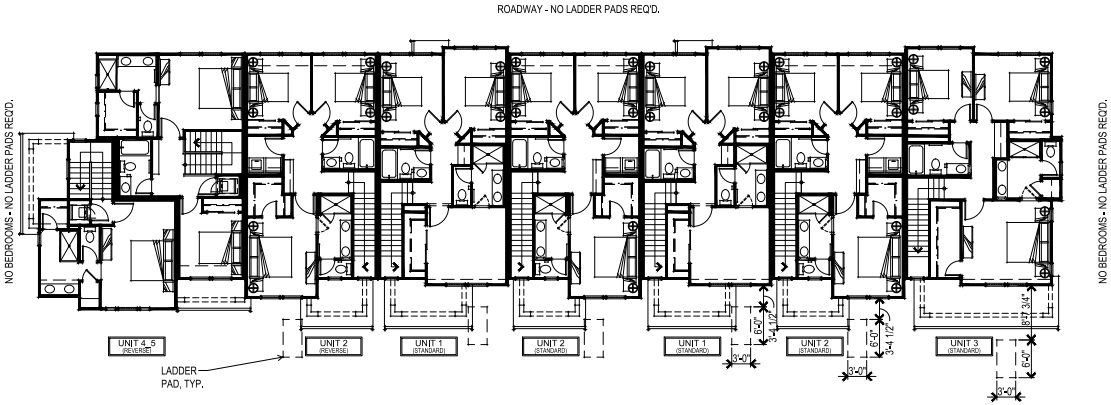
8 UNIT ALT BUILDING FLOOR PLANS
A20

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ROOF PLAN



THIRD FLOOR PLAN

0 2 4 6 8 16'

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8 UNIT ALT BUILDING THIRD FLOOR & ROOF PLANS
A21

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 1

373.023 Cornerstone
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November 8, 2024

8 UNIT ALT BUILDING FARMHOUSE ELEVATIONS
A22

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 2

373.023 Cornerstone
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November 8, 2024

8 UNIT ALT BUILDING FARMHOUSE ELEVATIONS
A22.1

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 3

373.023 Cornerstone
Livermore, CA
November 8, 2024

8 UNIT ALT BUILDING CRAFTSMAN ELEVATIONS
A23

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 4

373.023 Cornerstone
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November 8, 2024

8 UNIT ALT BUILDING CRAFTSMAN ELEVATIONS
A23.1

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

COLOR SCHEME 5

373.023 Cornerstone
Livermore, CA
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8 UNIT ALT BUILDING REGENCY ELEVATIONS
A24

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RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION

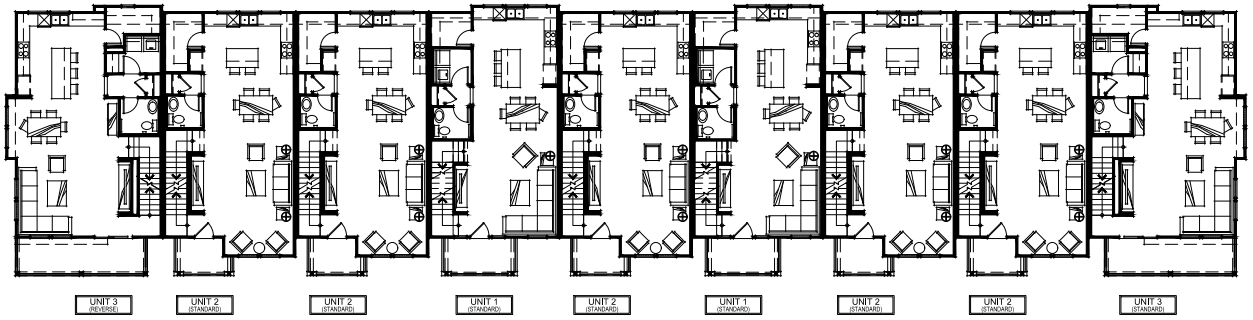
COLOR SCHEME 6

373.023 Cornerstone
Livermore, CA
November 8, 2024

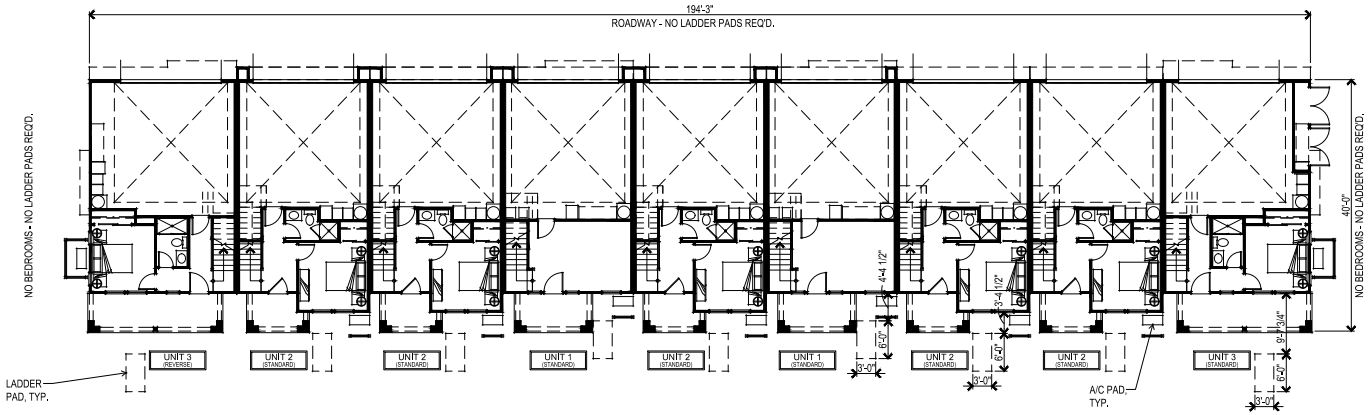
8 UNIT ALT BUILDING REGENCY ELEVATIONS
A24.1

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SECOND FLOOR PLAN



FIRST FLOOR PLAN

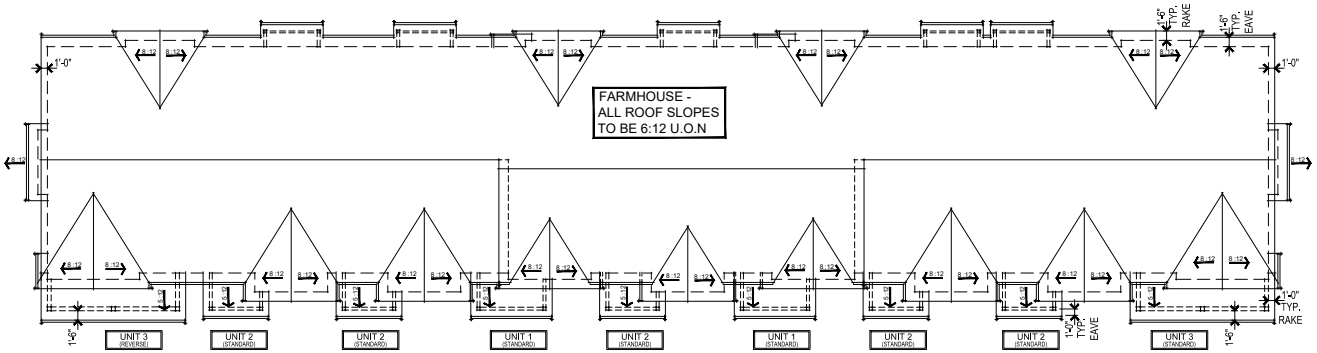
0 2 4 6 8 16'

373.023 Cornerstone
Livermore, CA
September 11, 2024

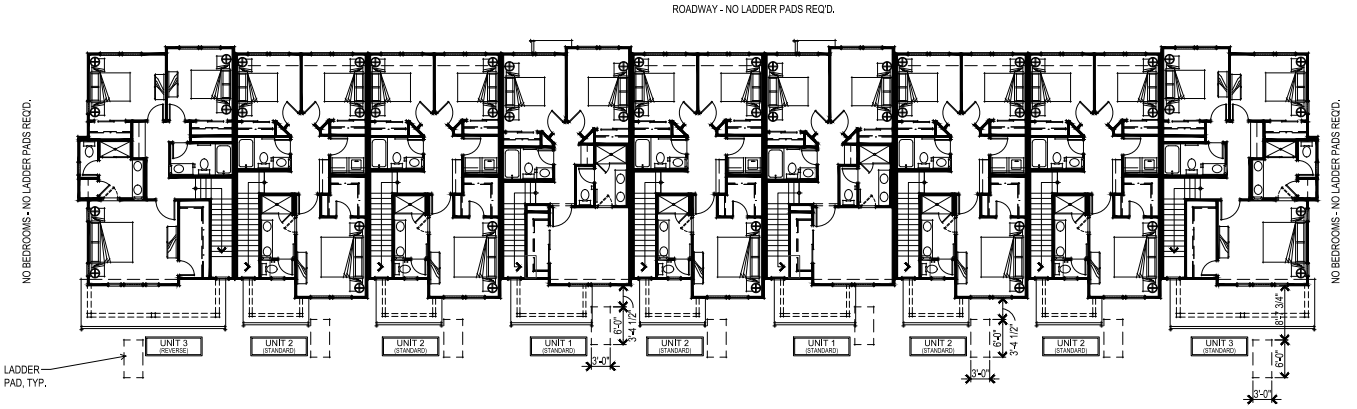
9 UNIT BUILDING FLOOR PLANS
A25

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ROOF PLAN



THIRD FLOOR PLAN

0 2 4 6 8 16'

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9 UNIT BUILDING THIRD FLOOR & ROOF PLANS
A26

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RIGHT ELEVATION



FRONT ELEVATION

COLOR SCHEME 1

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9 UNIT BUILDING FARMHOUSE ELEVATIONS
A27

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RIGHT ELEVATION



FRONT ELEVATION

COLOR SCHEME 2

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November 8, 2024

9 UNIT BUILDING FARMHOUSE ELEVATIONS
A27.1

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LEFT ELEVATION



REAR ELEVATION

COLOR SCHEME 1

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9 UNIT BUILDING FARMHOUSE ELEVATIONS
A28

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LEFT ELEVATION



REAR ELEVATION

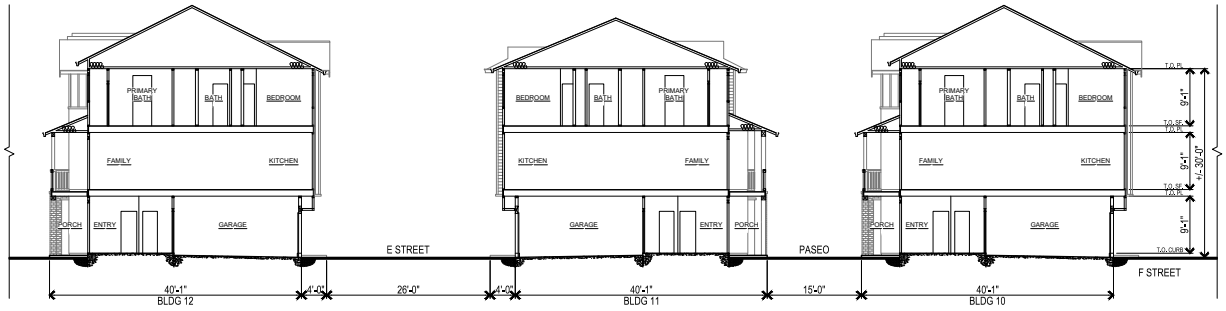
COLOR SCHEME 2

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9 UNIT BUILDING FARMHOUSE ELEVATIONS
A28.1

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SITE SECTION

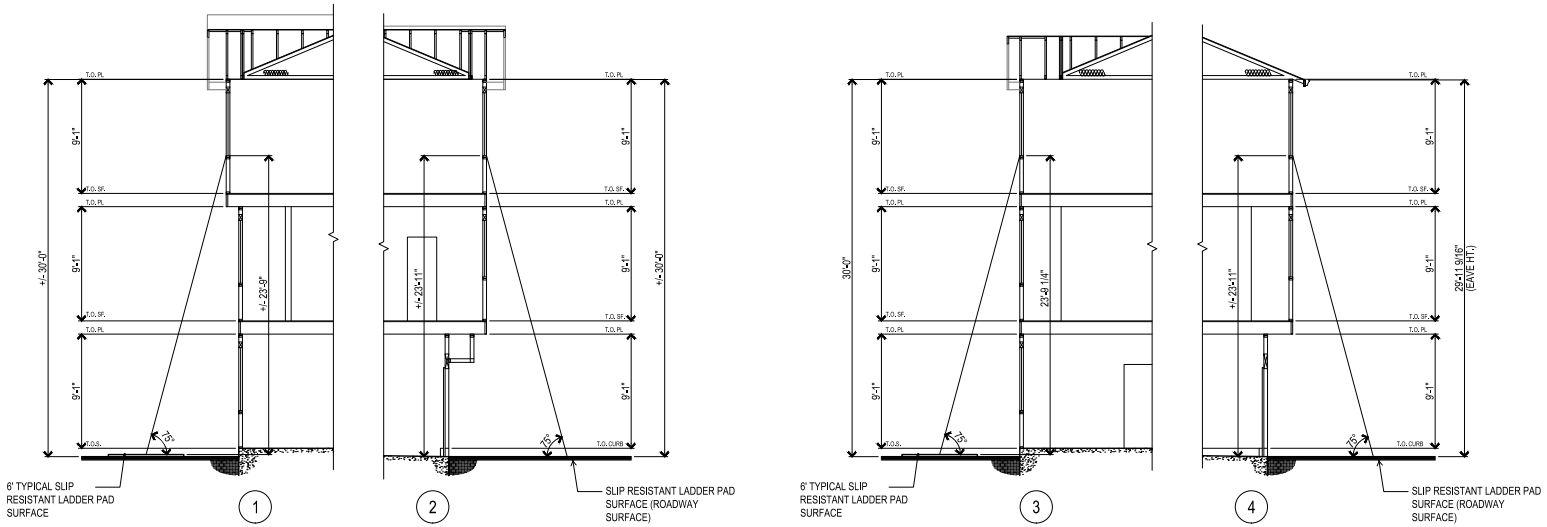
0 2 4 6 8 16'

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SITE SECTION
A29

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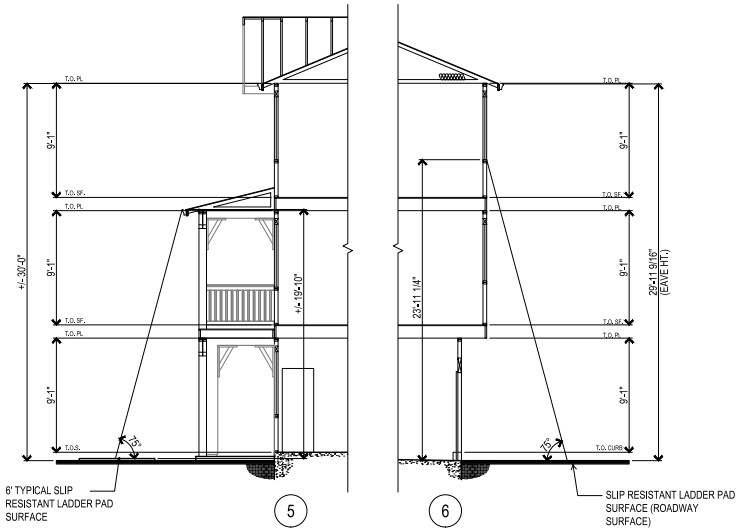


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TYPICAL LADDER PAD SECTIONS
A30

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TYPICAL LADDER PAD SECTIONS
A31

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SCENIC VIEW PERSPECTIVE 1
A32

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SCENIC VIEW PERSPECTIVE 2
A33

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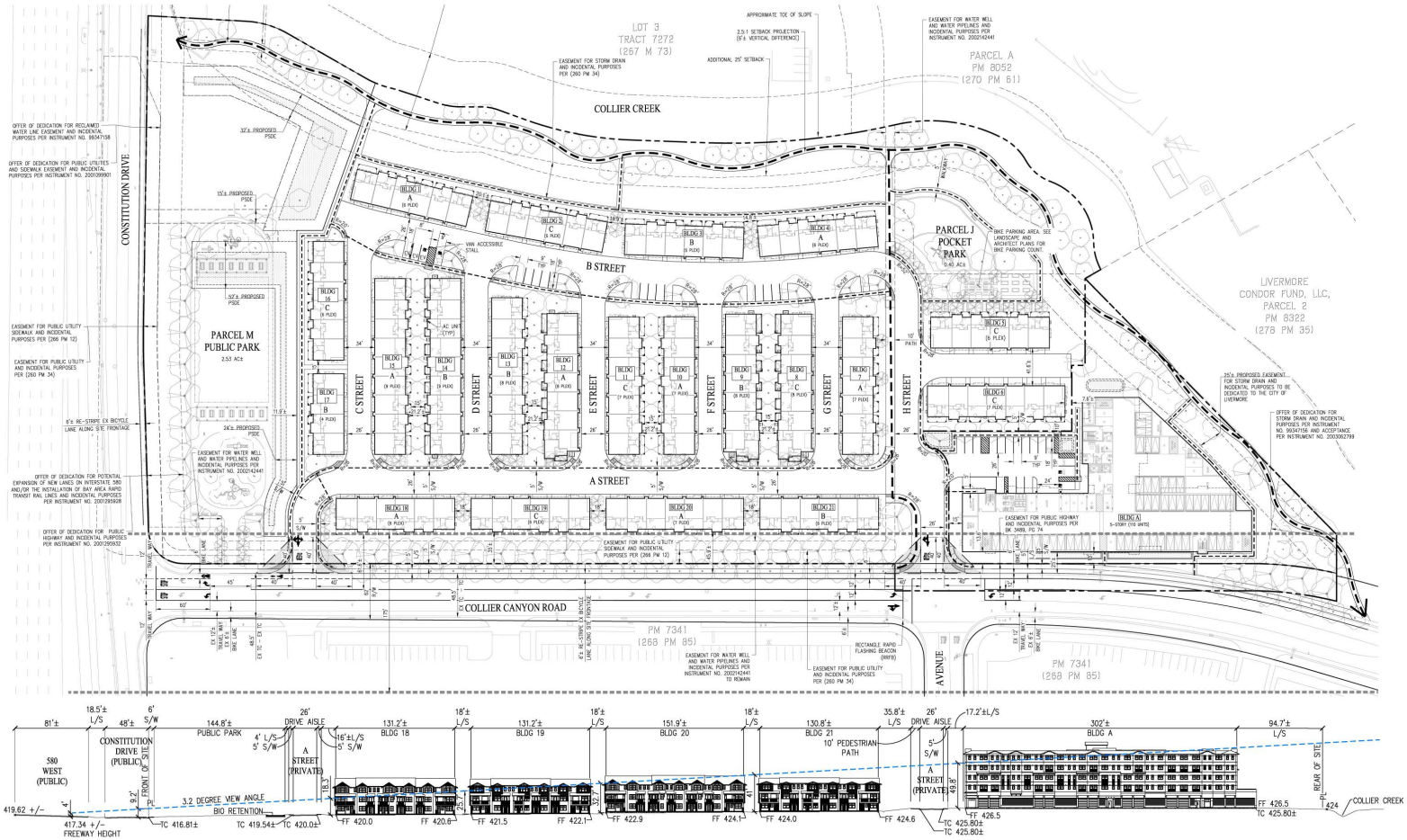


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SCENIC VIEW PERSPECTIVE 3
A34

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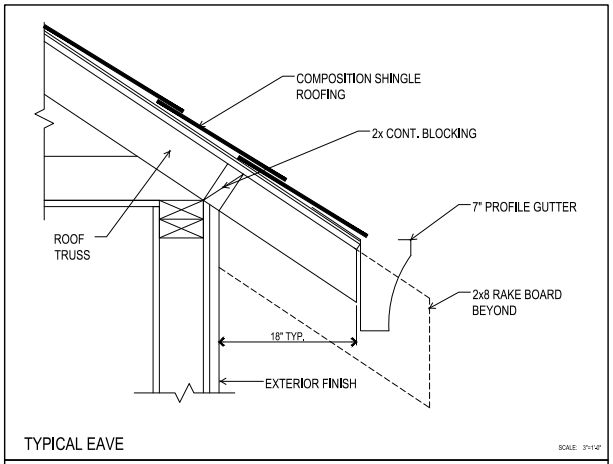


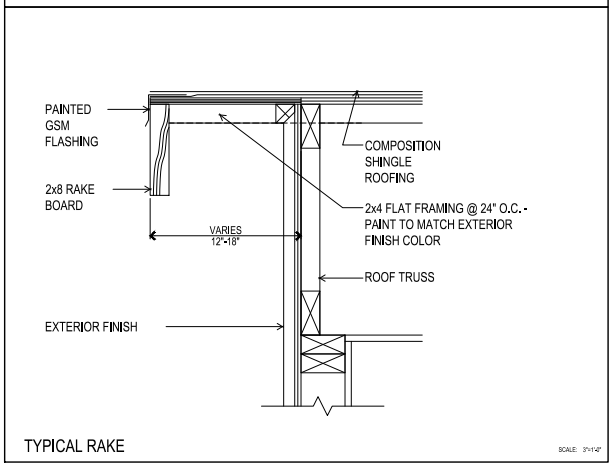
373.023 Cornerstone
Livermore, CA
September 11, 2024

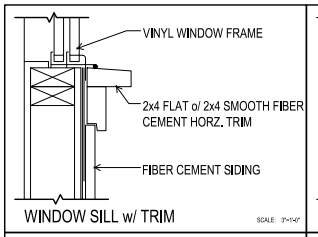
SCENIC CORRIDOR EXHIBIT
A35

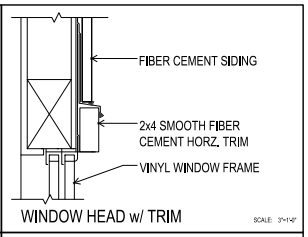
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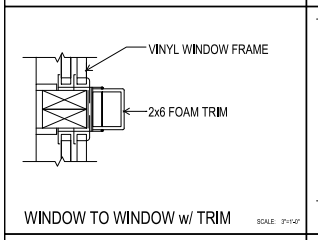
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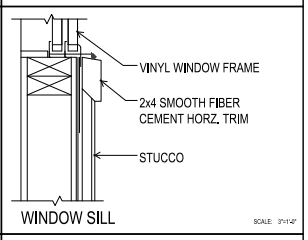


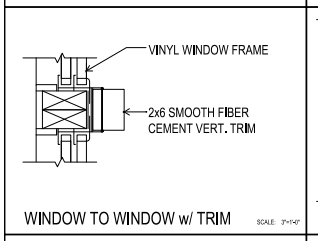


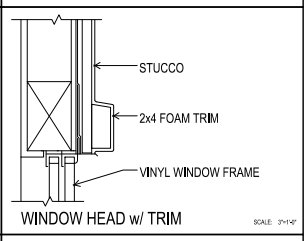


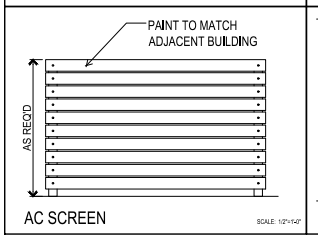


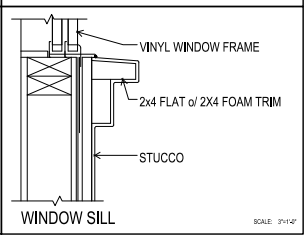










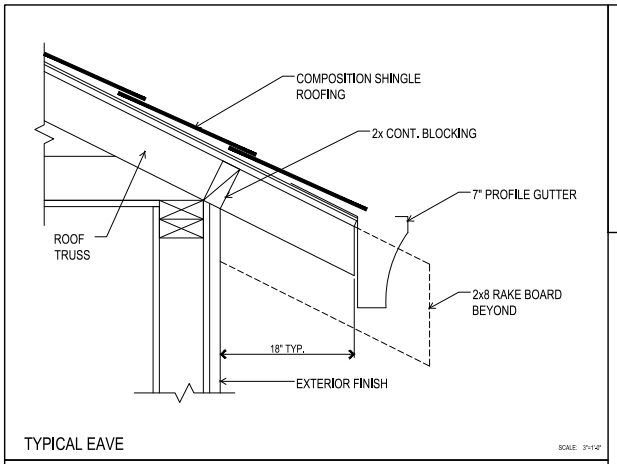


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Livermore, CA
September 11, 2024

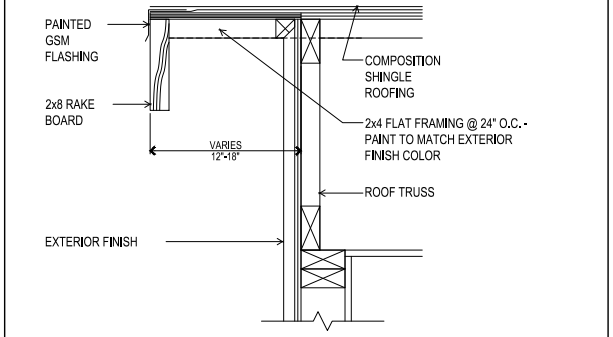
TYPICAL FARMHOUSE DETAILS
A36

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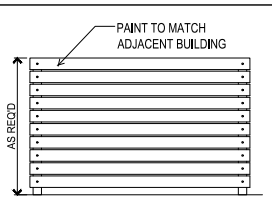
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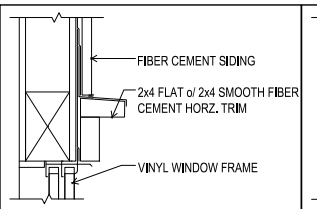
TYPICAL EAVE SCALE: 3"=1'-0"



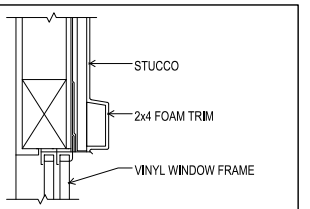
TYPICAL RAKE SCALE: 3"=1'-0"



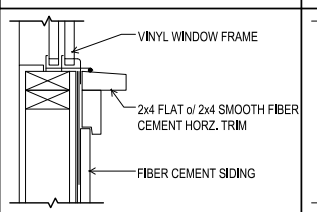
AC SCREEN SCALE: 12"=1'-0"



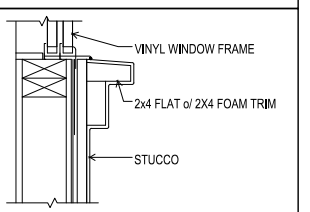
WINDOW HEAD w/ TRIM SCALE: 3"=1'-0"



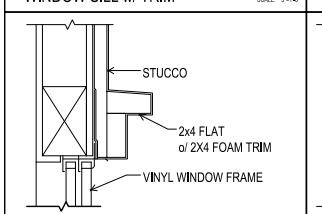
WINDOW HEAD w/ TRIM SCALE: 3"=1'-0"



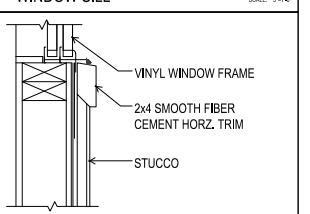
WINDOW SILL w/ TRIM SCALE: 3"=1'-0"



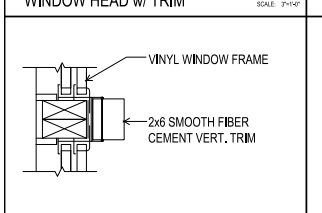
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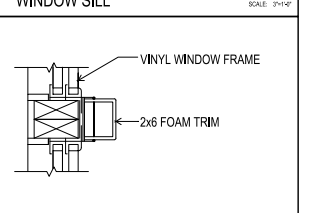
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WINDOW SILL SCALE: 3"=1'-0"



WINDOW TO WINDOW w/ TRIM SCALE: 3"=1'-0"



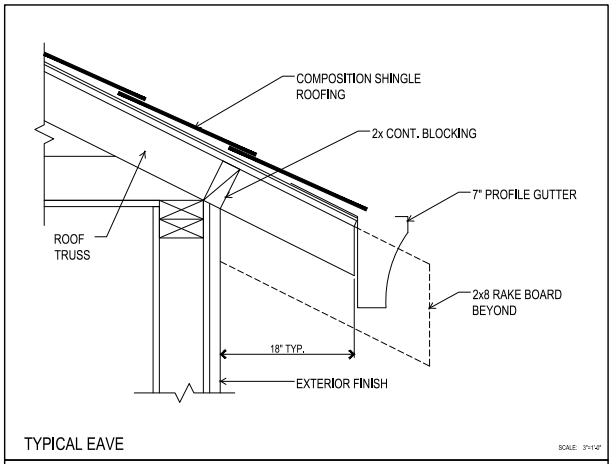
WINDOW TO WINDOW w/ TRIM SCALE: 3"=1'-0"

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September 11, 2024

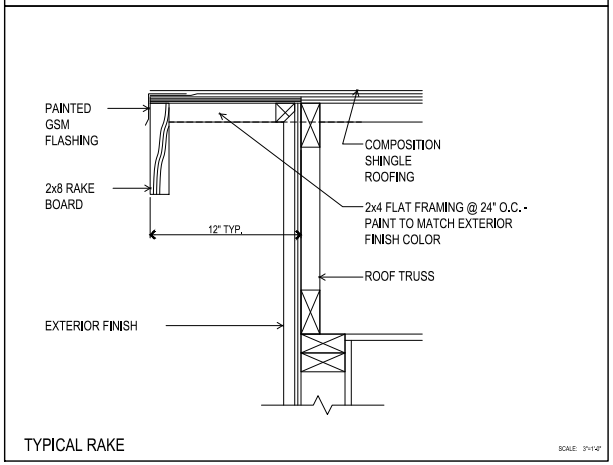
TYPICAL CRAFTSMAN DETAILS
A37

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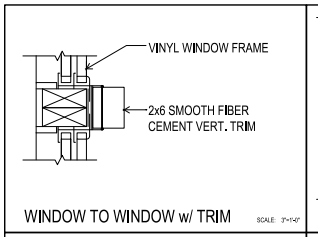
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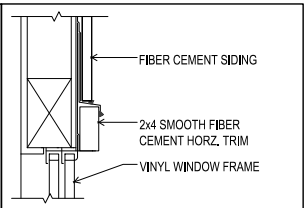
TYPICAL EAVE SCALE: 3"=1'-0"



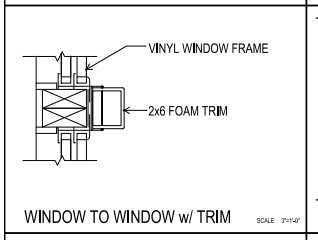
TYPICAL RAKE SCALE: 3"=1'-0"



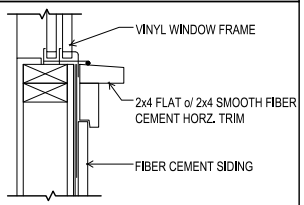
WINDOW TO WINDOW w/ TRIM SCALE: 3"=1'-0"



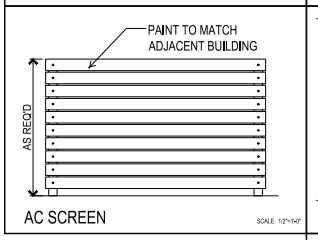
WINDOW HEAD w/ TRIM SCALE: 3"=1'-0"



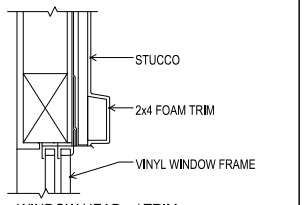
WINDOW TO WINDOW w/ TRIM SCALE: 3"=1'-0"



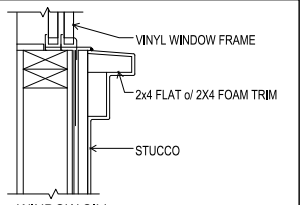
WINDOW SILL w/ TRIM SCALE: 3"=1'-0"



AC SCREEN SCALE: 1/2"=1'-0"



WINDOW HEAD w/ TRIM SCALE: 3"=1'-0"



WINDOW SILL SCALE: 3"=1'-0"

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TYPICAL REGENCY DETAILS
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COLOR SCHEME 1 FARMHOUSE



CertainTeed Roofing
Weathered Wood

Stucco
SW 9166 Drift of Mist (238-C2)

Siding
SW 7073 NetworkGray (235-C3)

Trim & Fascia
SW 7005 Pure White (255-C1)

Garage Doors
SW 7005 Pure White (255-C1)

Entry Door
SW 7069 Iron Ore (251-C7)



Coronado Brick
Wirecut Brick - Bear Creek

COLOR SCHEME 2 FARMHOUSE



CertainTeed Roofing
Moire Black

Stucco
SW 9165 Gossamer Veil (238-C1)

Siding
SW 9130 Evergreen Fog (215-C4)

Trim & Fascia
SW 7042 Shoji White (254-C4)

Garage Doors
SW 7042 Shoji White (254-C4)

Entry Door
SW 7645 Thunder Gray (278-C1)



Coronado Brick
Wirecut Brick - Wolf Gray

COLOR SCHEME 3 CRAFTSMAN



CertainTeed Roofing
Weathered Wood

Stucco
SW 7547 Sandbar (284-C2)

Siding
SW 7046 Anonymous (245-C5)

Trim & Fascia
SW 7047 Porpoise (245-C6)

Garage Doors
SW 7047 Porpoise (245-C6)

Entry Door
SW 2837 Aurora Brown (313)



Coronado Stone
Old Country Ledge - Banff

COLOR SCHEME 4 CRAFTSMAN



CertainTeed Roofing
Thunderstorm Gray

Stucco
SW 7015 Repose Gray (244-C1)

Siding
SW 7019 Gauntlet Gray (244-C6)

Trim & Fascia
SW 7045 Intelectual Gray (245-C3)

Garage Doors
SW 7045 Intelectual Gray (245-C3)

Entry Door
SW 2841 Weathered Shingle (313)



Coronado Stone
Old Country Ledge - Banff

COLOR SCHEME 5 REGENCY



CertainTeed Roofing
Thunderstorm Gray

Stucco
SW 7632 Modern Gray (283-C1)

Siding
SW 7035 Aesthetic White (259-C4)

Trim & Fascia
SW 7627 White Heron (259-C5)

Garage Doors
SW 7627 White Heron (259-C5)

Entry Door
SW 7645 Thunder Gray (278-C1)



Coronado Brick
Wirecut Brick - Wolf Gray

COLOR SCHEME 6 REGENCY



CertainTeed Roofing
Georgetown Gray

Stucco
SW 7008 Alabaster (255-C2)

Siding
SW 0055 Light French Gray (305)

Trim & Fascia
SW 7566 Westhingland White (255-C3)

Garage Doors
SW 7566 Westhingland White (255-C3)

Entry Door
SW 7062 Rock Bottom (278-C2)



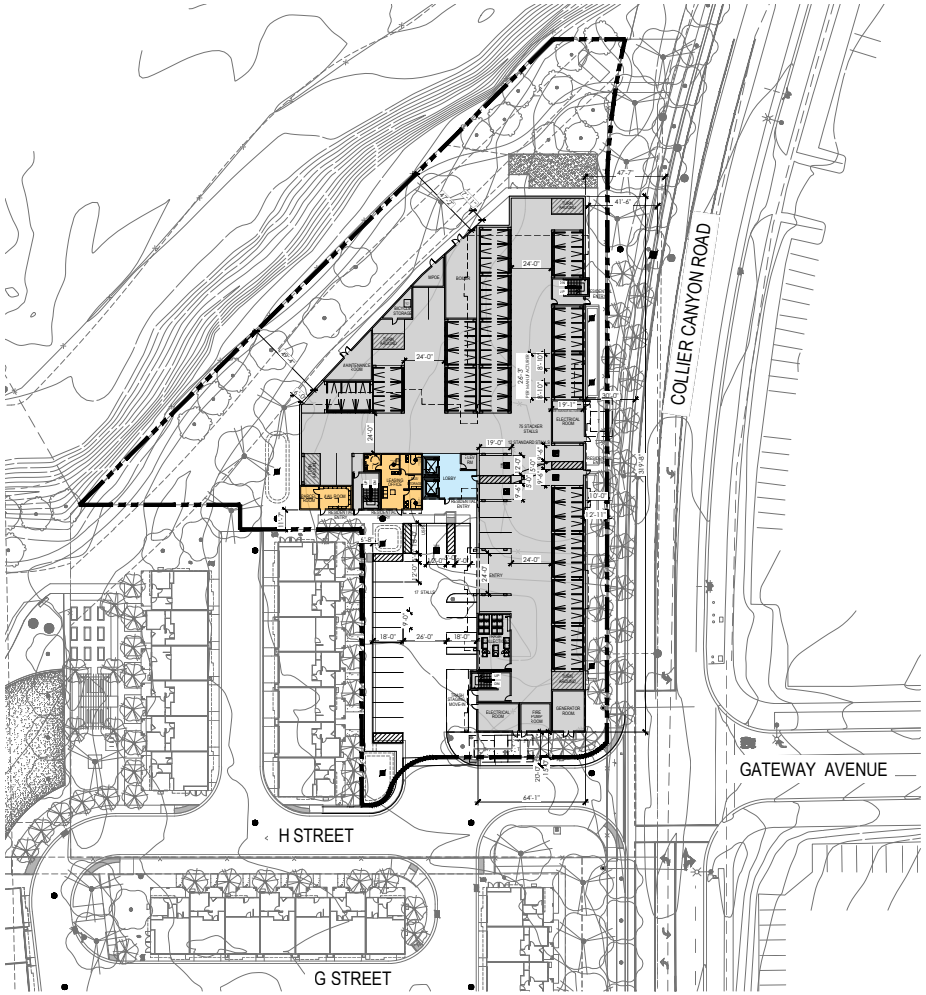
Coronado Brick
Wirecut Brick - Iceberg

ATTACHMENT 3

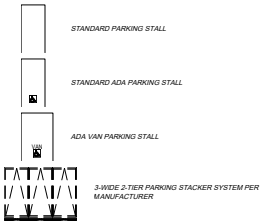
PROJECT DATA

CURRENT ZONING:	INSP	
APN:	905-0015-008	
EXISTING USE:	VACANT	
PROPOSED USE:	MULTI-FAMILY RESIDENTIAL	
PROJECT ADDRESS:	2768 COLLIER CANYON ROAD LIVERMORE, CA	
SPECIFIC PLAN:	ISABEL NEIGHBORHOOD SPECIFIC PLAN (INSP)	
PROPOSED TYPE OF CONSTRUCTION:	4-STORY TYPE III OVER 1 LEVEL OF RAISED PODIUM TYPE I	
AUTOMATIC SPRINKLER:	YES	
FAR:		
PROPOSED FAR:	1.9	
LOT SIZE:		
SUBJECT PROPERTY:	1.66 ACRES (72,309.6 SF)	
NUMBER OF UNITS:	**110 UNITS**	
DENSITY:	110 UNITS / 1.66 ACRES = **66 DU/AC**	
UNIT MIX:		
STUDIOS	31 UNITS (28%)	
1 BEDROOM	24 UNITS (22%)	
2 BEDROOM	27 UNITS (25%)	
2 BEDROOM (MANAGER'S UNIT)	1 UNIT	
3 BEDROOM	26 UNIT (25%)	
3 BEDROOM (MANAGER'S UNIT)	1 UNIT	
TOTAL	**110 UNITS**	
GROSS FLOOR AREA		
1ST FLOOR / PODIUM LEVEL	32,745 SF	
2ND FLOOR	26,650 SF	
3RD FLOOR	26,650 SF	
4TH FLOOR	26,650 SF	
5TH FLOOR	26,650 SF	
GRAND TOTAL:	139,345 SF	
OPEN SPACE CALCULATIONS	REQUIRED	PROVIDED
REQUIRED PRIVATE OPEN SPACE: 75 SF/UNIT	19,250 SF	-
REQUIRED COMMON OPEN SPACE: 75 SF/UNIT	19,250 SF	-
ENCLOSED COMMON OPEN SPACE (AMENITIES):		1,000 SF
NUMBER OF STORIES:	5 STORIES	
VEHICLE PARKING:		
STUDIO: 0.75 SPACE / UNIT	30 STALLS	
1 BR UNIT: 1 SPACE/ UNIT	10 STALLS	
2 BR UNIT: 1.25 SPACES/ UNIT	37.5 STALLS	
3 BR UNIT: 1.25 SPACES/ UNIT	37.5 STALLS	
VISITOR: 1 SPACE/ 8 UNITS	13.75 STALLS	
REQUIRED:	129 STALLS	
PROVIDED:	104 STALLS	
BICYCLE PARKING:	REQUIRED	PROVIDED
RESIDENT PARKING: 1 SPACE PER 4 BEDROOMS	48	48
VISITOR PARKING: 1 SPACE PER 20 UNITS	6	6
SETBACK:	REQUIRED	PROVIDED
FACING STREETS (COLLIER CANYON RD):	5'-0" MIN.; 12'-0" MAX. (10'-0" FOR 3RD STORY & ABV.)	12'-11" 1ST STORY AND 10'-0" 2ND STORIES & ABOVE
INTERIOR SIDE/REAR:	5'-0" (1ST & 2ND STORY); 10'-0" (3RD STORY & ABV.)	11'-7" 1ST STORY 11'-7" 2ND & STORIES ABOVE
MAXIMUM BUILDING HEIGHT:	REQUIRED	PROVIDED
	60'-0"	61'-1"
		70'-9" (TOP OF STAIR)

REFER TO CIVIL AND LANDSCAPE EXHIBITS FOR MORE INFORMATION



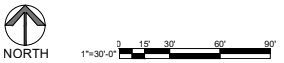
LEGEND



PARKING SUMMARY (AFF. MULTI-FAMILY)

PARKING TYPE	PODIUM	SURFACE
STANDARD PARKING STALL	8	16
ADA STANDARD PARKING STALL	3	0
ADA VAN PARKING STALL	1	1
3-WIDE 2-TIER PARKNG STACKER SYSTEM	75	0
SUBTOTAL	87	17
TOTAL	**104**	

NOTE: AS THIS IS AN AFFORDABLE PROJECT, NO ELECTRIC VEHICLE IS REQUIRED PER CITY OF LIVERMORE AMENDMENT GSBC 4.106.4 EXCEPTION 1.2.



CONCEPTUAL SITE PLAN

B1.0

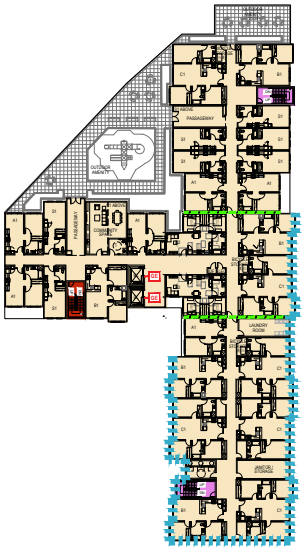
COLLIER CANYON ROAD

TPC DELVELOPMENT

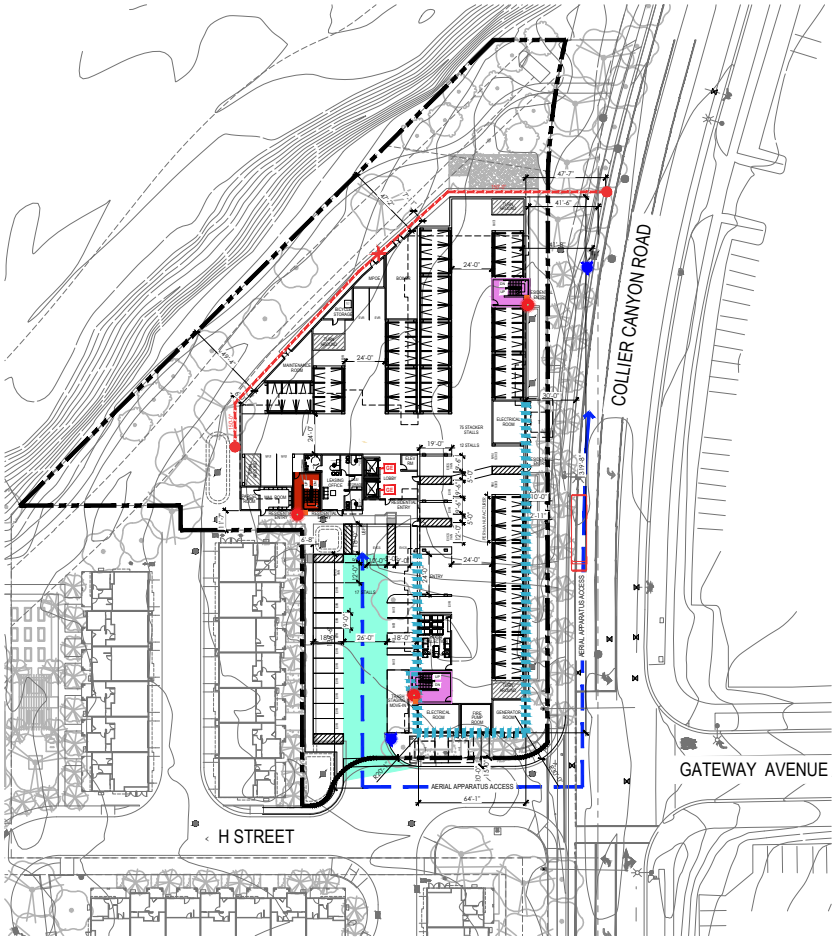
LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

AO ARCHITECTS
144 NORTH ORANGE ST., ORANGE, CA 92866
(714) 639-9860



SECOND-FIFTH LEVEL



FIRST LEVEL

PROJECT DATA

CURRENT ZONING:	INSP	
APN:	905-0015-008	
EXISTING USE:	VACANT	
PROPOSED USE:	MULTI-FAMILY RESIDENTIAL	
PROJECT ADDRESS:	2768 COLLIER CANYON ROAD LIVERMORE, CA	
SPECIFIC PLAN:	ISABEL NEIGHBORHOOD SPECIFIC PLAN (INSP)	
PROPOSED TYPE OF CONSTRUCTION:	4 STORY TYPE III OVER 1 LEVEL OF RAISED PODIUM TYPE I	
AUTOMATIC SPRINKLER:	YES	
FAR:		
PROPOSED FAR:	1.9	
LOT SIZE:		
SUBJECT PROPERTY:	1.66 ACRES (72,309.6 SF)	
NUMBER OF UNITS:	**110 UNITS**	
DENSITY:	110 UNITS / 1.66 ACRES = **66 DU/AC**	
UNIT MIX:		
STUDIOS	31 UNITS (28%)	
1 BEDROOM	24 UNITS (22%)	
2 BEDROOM	27 UNITS (25%)	
2 BEDROOM (MANAGER'S UNIT)	1 UNIT	
3 BEDROOM	26 UNIT (25%)	
3 BEDROOM (MANAGER'S UNIT)	1 UNIT	
TOTAL	**110 UNITS**	
GROSS FLOOR AREA		
1ST FLOOR / PODIUM LEVEL	32,745 SF	
2ND FLOOR	26,650 SF	
3RD FLOOR	26,650 SF	
4TH FLOOR	26,650 SF	
5TH FLOOR	26,650 SF	
GRAND TOTAL:	139,345 SF	
OPEN SPACE CALCULATIONS	REQUIRED	PROVIDED
REQUIRED PRIVATE OPEN SPACE: 75 SF/UNIT	19,250 SF	-
REQUIRED COMMON OPEN SPACE: 75 SF/UNIT	19,250 SF	-
ENCLOSED COMMON OPEN SPACE (AMENITIES):	-	1,000 SF
NUMBER OF STORIES:	5 STORIES	
VEHICLE PARKING:		
STUDIO: 0.75 SPACE / UNIT	30 STALLS	
1 BR UNIT: 1 SPACE/ UNIT	10 STALLS	
2 BR UNIT: 1.25 SPACES/ UNIT	37.5 STALLS	
3 BR UNIT: 1.25 SPACES/ UNIT	37.5 STALLS	
VISITOR: 1 SPACE/ 8 UNITS	13.75 STALLS	
REQUIRED:	129 STALLS	
PROVIDED:	104 STALLS	
BICYCLE PARKING:	REQUIRED	PROVIDED
RESIDENT PARKING: 1 SPACE PER 4 BEDROOMS	48	48
VISITOR PARKING: 1 SPACE PER 20 UNITS	6	6
SETBACK:	REQUIRED	PROVIDED
FACING STREETS (COLLIER CANYON RD):	5'-0" MIN.: 12'-0" MAX. (10'-0" FOR 3RD STORY & ABV.)	12'-11" 1ST STORY AND 10'-0" 2ND STORIES & ABOVE
INTERIOR SIDE/REAR:	5'-0" (1ST & 2ND STORY); 10'-0" (3RD STORY & ABV.)	11'-7" 1ST STORY 11'-7" 2ND & STORIES ABOVE
MAXIMUM BUILDING HEIGHT:	REQUIRED	PROVIDED
	60'-0"	61'-1" 70'-9" (TOP OF STAIR)

REFER TO CIVIL AND LANDSCAPE EXHIBITS FOR MORE INFORMATION

LEGEND

- EXIT STAIRWELL
- EXIT STAIRWELL WITH ROOF ACCESS
- FIRE LANE
- RESIDENTIAL
- APPROXIMATE LOCATION OF SUB-KEYED KNOX BOX WITH 3-SETS OF ENTRY DOOR/GATE KEYS. SUB-KEYED KNOX KEY SWITCH OR KNOX PADLOCK
- MAIN ACCESS POINT TO BUILDING
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- AERIAL TRUCK LADDER ACCESS TO BLDG
- AERIAL APPARATUS ACCESS
- FIRE AREA SEPARATION WALL
- 150' HOSE PULL
- GE GURNEY-SIZE ELEVATOR
- FIRE ACCESS APPARATUS

NORTH

1"=10'-0" 0 5' 10' 20' 30'

CONCEPTUAL FIRE PLAN

B1.1

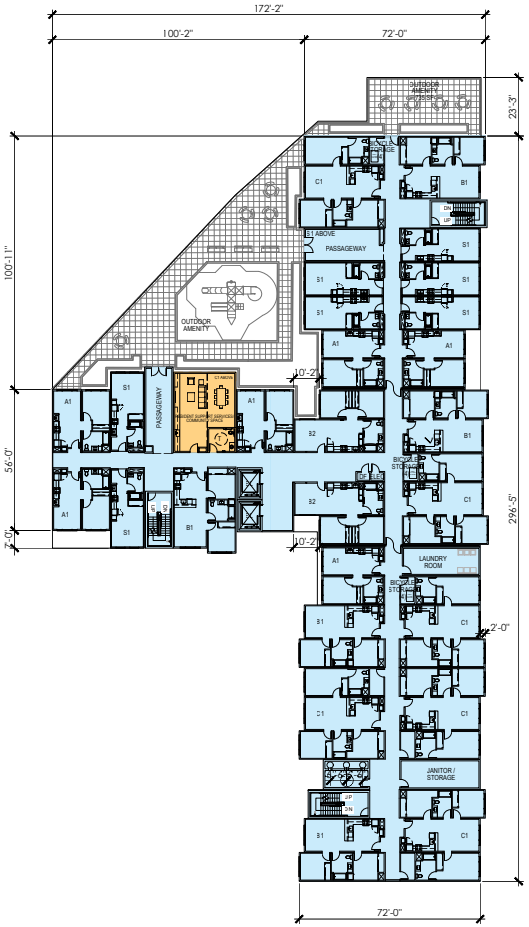
COLLIER CANYON ROAD

TPC DELVELOPMENT

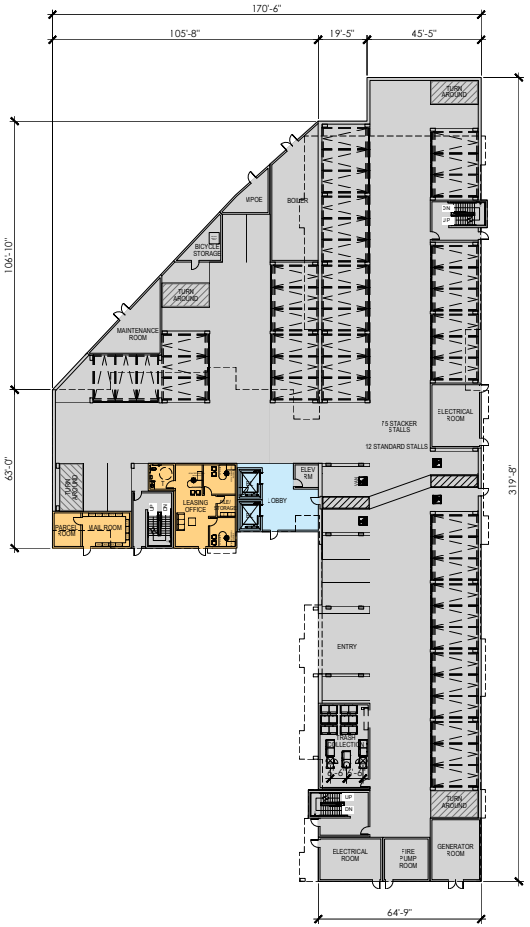
LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

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144 NORTH ORANGE ST., ORANGE, CA 92866
(714) 639-9860



SECOND LEVEL



FIRST LEVEL

LEGEND

- RESIDENTIAL
- COMMON SPACE
- PARKING / BACK-OF-HOUSE AREA
- EVCS — PARKING STALL - ELECTRIC VEHICLE CHARGING STATION
- EVR — PARKING STALL - ELECTRIC VEHICLE READY
- EVC — PARKING STALL - ELECTRIC VEHICLE CAPABLE
- PARKING STALL - ADA

UNIT SUMMARY (AFF. MULTI-FAMILY)

UNIT TYPE	UNIT NET SQ. FT.	NUMBER OF UNITS	TOTAL NET SQ. FT.	UNIT %
S1	411	31	12,741	28.2%
A1	547	24	13,128	21.8%
B1	796	27	21,492	24.5%
B1 (MANAGER'S UNIT)	796	1	796	0.9%
C1	1,079	26	28,054	23.6%
C1 (MANAGER'S UNIT	1,079	1	1,079	0.9%
TOTAL		110	77,290	100%

NORTH

1"=10'-0" 0 5' 10' 20' 30'

CONCEPTUAL BUILDING PLANS

B2.0

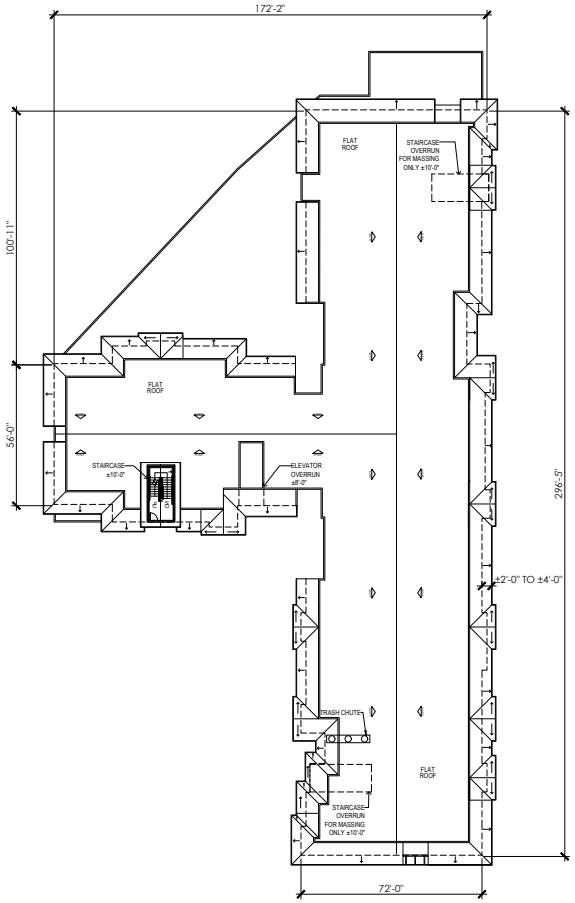
COLLIER CANYON ROAD

TPC DELVELOPMENT

LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

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144 NORTH ORANGE ST., ORANGE, CA 92866
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ROOF LEVEL



THIRD-FIFTH LEVEL

LEGEND

- RESIDENTIAL
- COMMON SPACE
- PARKING / BACK-OF-HOUSE AREA
- EVCS — PARKING STALL - ELECTRIC VEHICLE CHARGING STATION
- EVR — PARKING STALL - ELECTRIC VEHICLE READY
- EVC — PARKING STALL - ELECTRIC VEHICLE CAPABLE
- PARKING STALL - ADA

UNIT SUMMARY (AFF. MULTI-FAMILY)

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C1 (MANAGER'S UNIT	1,079	1	1,079	0.9%
TOTAL		110	77,290	100%

NORTH

1"=10'-0" 0 5' 10' 20' 30'

CONCEPTUAL BUILDING PLANS

B2.1

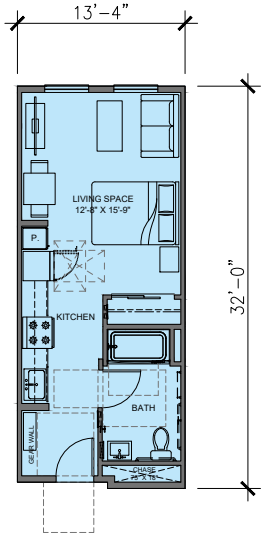
COLLIER CANYON ROAD

TPC DELVELOPMENT

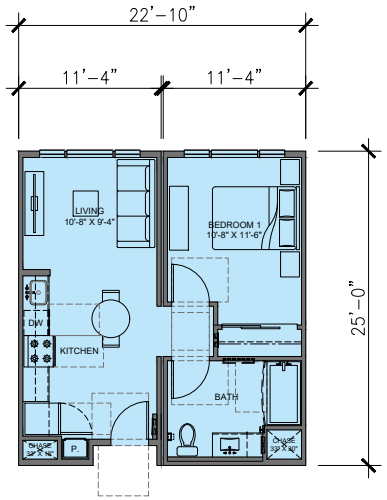
LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

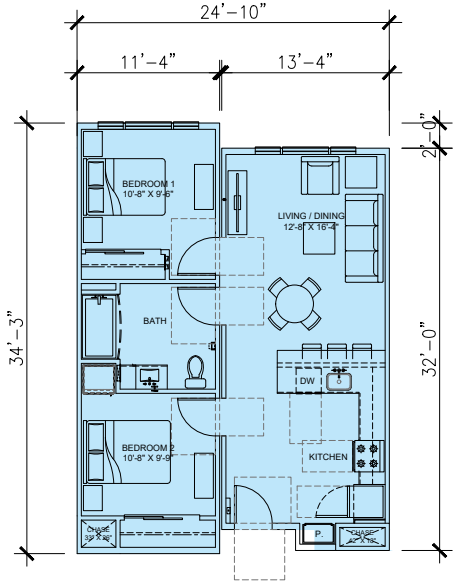
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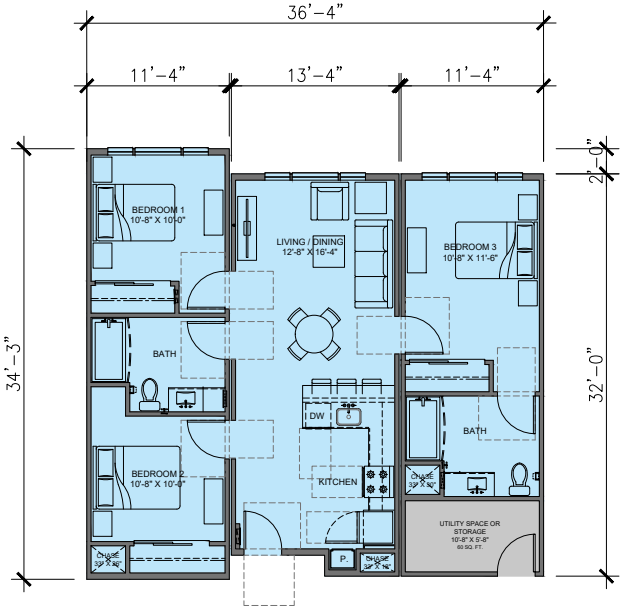
UNIT S1
STUDIO - 1 BATH
UNIT AREA: 411 SQ. FT.



UNIT A1
1 BED - 1 BATH
UNIT AREA: 547 SQ. FT.



UNIT B1
2 BED - 1 BATH
UNIT AREA: 791 SQ. FT.



UNIT C1
3 BED - 2 BATH
UNIT AREA: 1079 SQ. FT.

1/4"=1'-0" 0 2' 4' 8' 12'

CONCEPTUAL UNIT PLANS

B3.0

COLLIER CANYON ROAD

LIVERMORE, CA

TPC DELVELOPMENT

DATE: 11/15/2024
JOB NO.: 2020-432

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WEST ELEVATION 4



NORTH ELEVATION 3

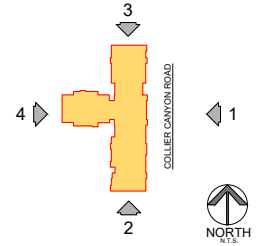


SOUTH ELEVATION 2



EAST ELEVATION 1

KEY MAP



1"=20'-0" 0 10' 20' 40' 60'

CONCEPTUAL BUILDING ELEVATIONS

B4.0

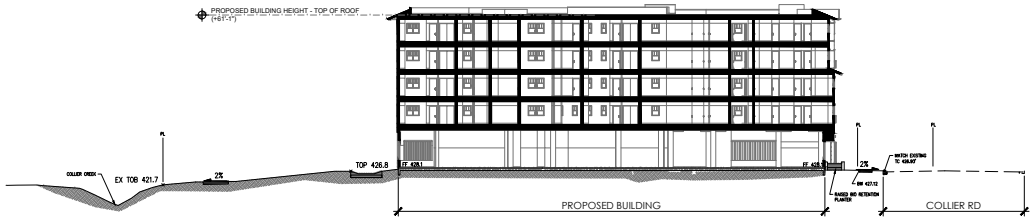
COLLIER CANYON ROAD

TPC DELVELOPMENT

LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

AO ARCHITECTS
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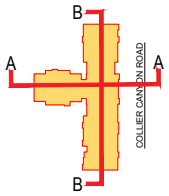


SECTION A



SECTION B

KEY MAP



1"=20'-0" 0 10' 20' 40' 60'

CONCEPTUAL SITE SECTIONS

B5.0

COLLIER CANYON ROAD

TPC DELVELOPMENT

LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

AO ARCHITECTS
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VIEW FROM SOUTHEAST CORNER 4



VIEW FROM NORTHEAST CORNER OF COLLIER CANYON RD 2

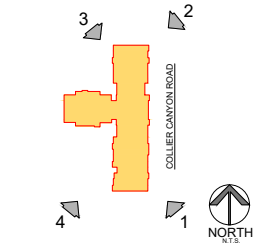


VIEW FROM NORTHWEST CORNER 3



VIEW FROM COLLIER CANYON RD AND GATEWAY AVE 1

KEY MAP



CONCEPTUAL 3D VIEWS

B6.0

COLLIER CANYON ROAD

TPC DELVELOPMENT

LIVERMORE, CA

DATE: 11/15/2024
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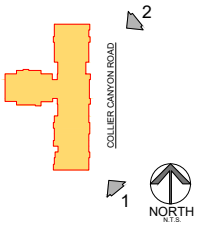


AERIAL VIEW FROM NORTHEAST CORNER 2



VIEW FROM COLLIER CANYON RD AND GATEWAY AVE 1

KEY MAP



CONCEPTUAL 3D VIEWS

B6.1

COLLIER CANYON ROAD

TPC DELVELOPMENT

LIVERMORE, CA

DATE: 11/15/2024
JOB NO.: 2020-432

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(714) 639-9860





A. SW 6253 OLYMPUS WHITE

B. SW 7659 GRIS

C. SW 7068 GRIZZLE GRAY

D. SW 7069 IRON ORE

E. SW 7040 SMOKEHOUSE

F. SW 7048 URBANE BRONSE



1. STUCCO
LIGHT SAND FINISH



2. FIBER CEMENT
SMOOTH VERTICAL PANEL



3. FIBER CEMENT
STONE IMMITATION PANELS



4. VINYL STOREFRONT WINDOW SYSTEM
DARK BRONZE OR EQUAL



5. VINYL WINDOWS



6. METAL AWNING



7. ROOFING SHINGLES

CONCEPTUAL MATERIAL AND COLOR BOARD

B7.0

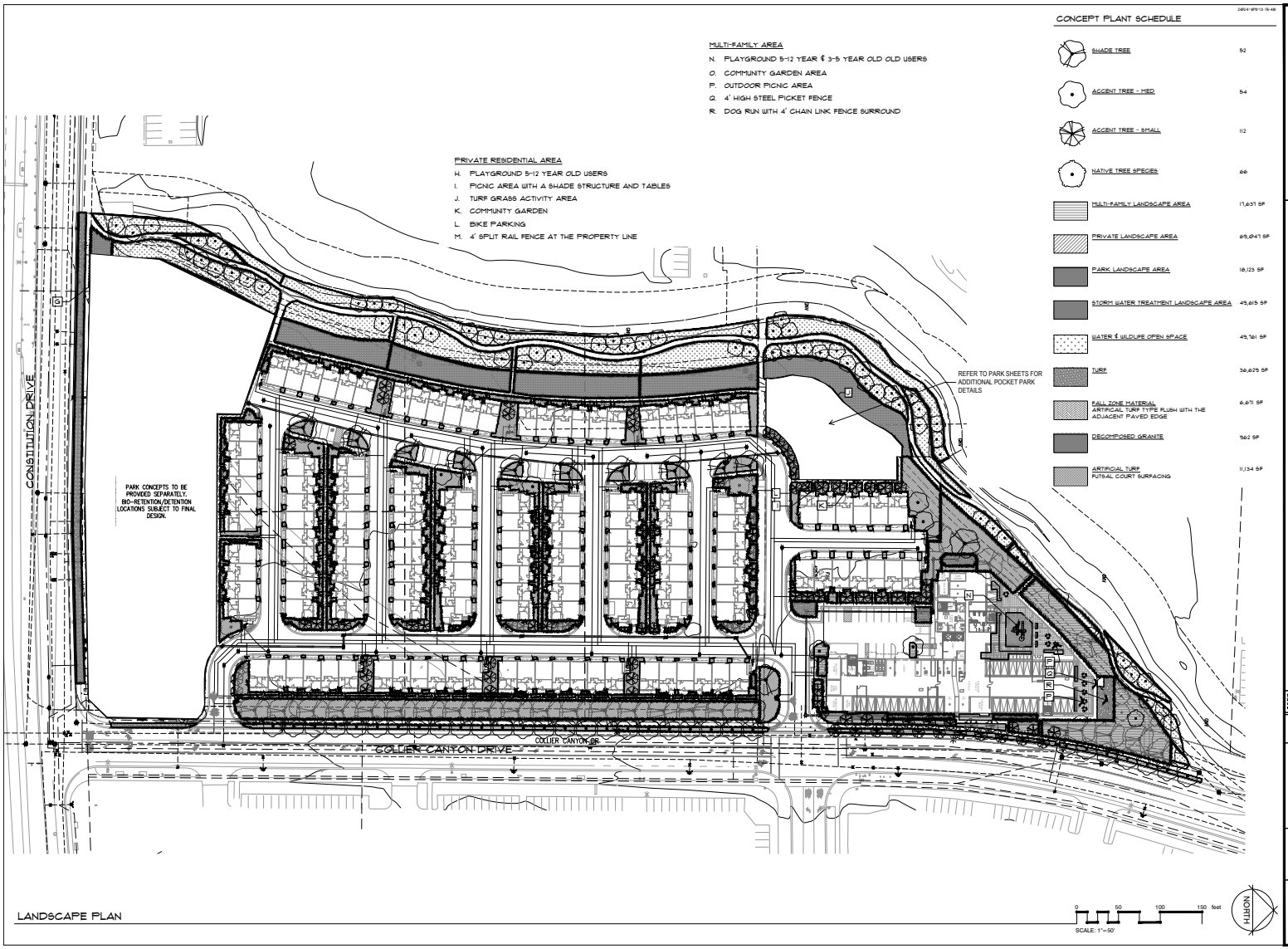
COLLIER CANYON ROAD

LIVERMORE, CA

TPC DELVELOPMENT

DATE: 11/15/2024
JOB NO.: 2020-432

AO ARCHITECTS
144 NORTH ORANGE ST., ORANGE, CA 92866
(714) 639-9860



LANDSCAPE PLAN

THOMAS H. PHELPS
LANDSCAPE ARCHITECTURE
IDLA, INC.
California Landscape Architect #4122
ID #LA-16771 * HI #LA-18112

P.O.BOX 170129
Boise, Idaho 83717
thp@idlainc.net
(208) 906-1300

CORNERSTONE CHURCH AND CHU PROPERTIES
LANDSCAPE IMPROVEMENT PLANS
CONSTITUTION DR. AT COLLIER CANYON DRIVE
LIVERMORE, CALIFORNIA

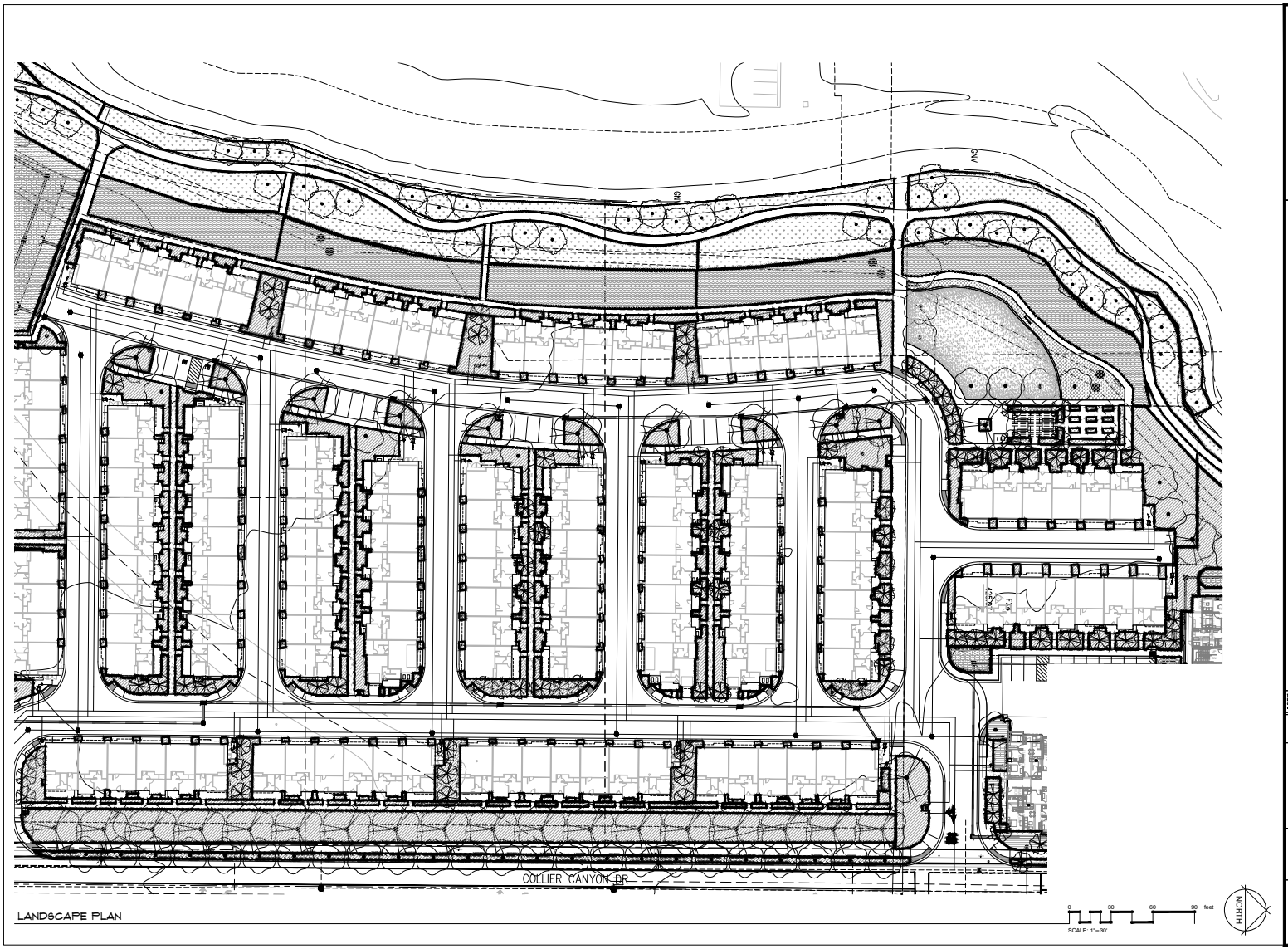
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Sheet Title: LANDSCAPE PLAN

Seal: LICENSED LANDSCAPE ARCHITECT THOMAS H. PHELPS #4122 STATE OF CALIFORNIA 09/03/24

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr: THP
Drawn By: THP
Scale: 1"=50'
Date: 09/03/24
File Name: 22-025
Sheet No.: L1
of _____ sheets



LANDSCAPE PLAN

THOMAS H. PHELPS
LANDSCAPE ARCHITECTURE
IDLA, INC.
California Landscape Architect #4122
ID #LA-16771 * HI #LA-16112

P.O.BOX 170129
Boise, Idaho 83717
thp@idlainc.net
(208) 906-1300

CORNERSTONE CHURCH AND CHU PROPERTIES
LANDSCAPE IMPROVEMENT PLANS
CONSTITUTION DR. AT COLLIER CANYON DRIVE
LIVERMORE, CALIFORNIA

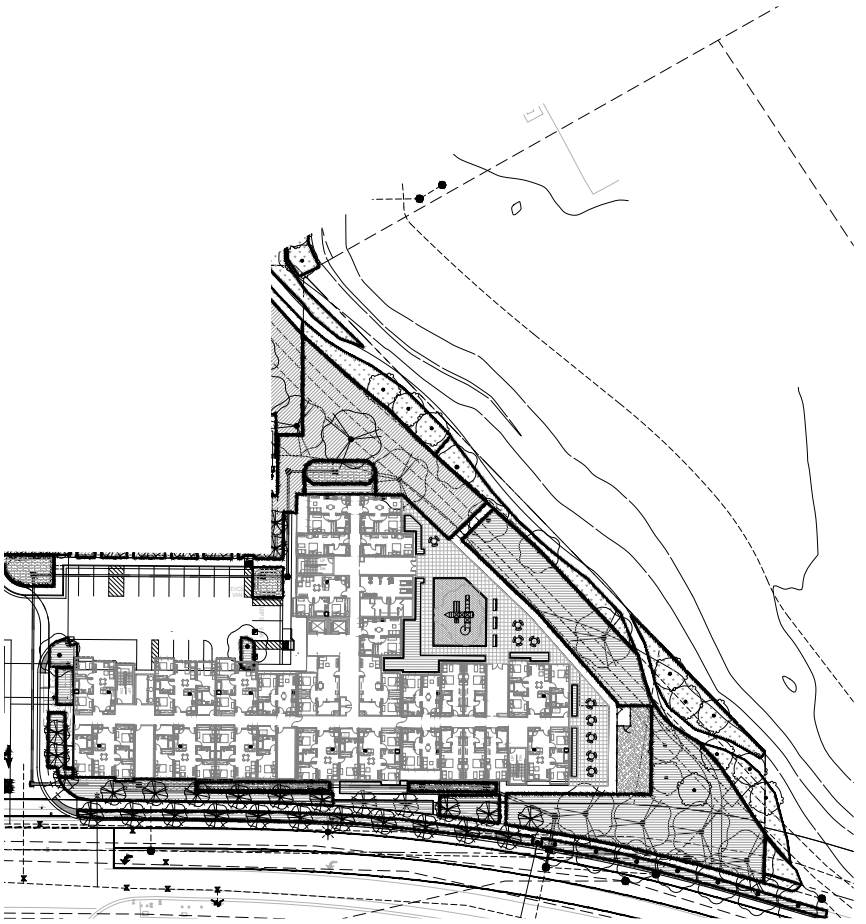
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Sheet Title
LANDSCAPE PLAN

Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS #4122
09/30/24
RENEWAL DATE
STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr: THP
Drawn By: THP
Scale: 1"30'
Date: 04/18/24
Sheet No.: L2
File Name: 02-025
of _____ sheets



LANDSCAPE PLAN - MULTI-FAMILY

0 30 60 90 feet

SCALE: 1"=30'

NORTH

THOMAS H. PHELPS
LANDSCAPE ARCHITECTURE
IDLA, INC.
California Landscape Architect #4122
ID #LA-16771 * HI #LA-16112

P.O.BOX 170129
Boise, Idaho 83717
thps@idlainc.net
(208) 906-1300

CORNERSTONE CHURCH AND CHU PROPERTIES
LANDSCAPE IMPROVEMENT PLANS
CONSTITUTION DR. AT COLLIER CANYON DRIVE
LIVERMORE, CALIFORNIA

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Sheet Title
LANDSCAPE PLAN

Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS #4122
09/30/24
RENEWAL DATE
STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr: THP
Drawn By: THP
Scale: 1"30'
Date: 04/19/24
File Name: 02-025

Sheet No.: L3

of _____ sheets

PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	WATER USE	MATURE HEIGHT	MATURE WIDTH
	CELTIS OCCIDENTALIS	COMMON HACKBERRY	24"		LOW	40' - 65' HT.	40' - 65' W.
	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	24"		MEDIUM	40' - 65' HT.	15' - 25' W.
	LAGERSTROEMIA X 'NATCHEZ'	CRAPE MYRTLE	15 GAL		LOW	15' - 25' HT.	15' - 25' W.
	LAURUS NOBILIS 'SARATOGA'	SWEET BAY	15 GAL		LOW	15' - 40' HT.	25' - 40' W.
	PINUS CANARIENSIS	CANARY ISLAND PINE	24"		LOW	> 65' HT.	15' - 25' W.
	PISTACIA CHINENSIS 'KEITH DAVEY'	KEITH DAVEY CHINESE PISTACHE	24"		LOW	25' - 40' HT.	25' - 40' W.
	PLATANUS X ACERIFOLIA 'COLUMBIA'	LONDON PLANE TREE	15 GAL		MEDIUM	40' - 65' HT.	40' - 65' W.
	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL		VERY LOW	40' - 65' HT.	25' - 40' W.
	ULMUS PARVIFOLIA 'TRUE GREEN'	TRUE GREEN ELM	15 GAL		LOW	40' - 65' HT.	25' - 40' W.
	X CHITALPA TASHKENTENSIS 'PINK DAWN'	PINK DAWN CHITALPA	15 GAL		LOW	25' - 40' HT.	25' - 40' W.

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	WATER USE	MATURE HEIGHT	MATURE WIDTH
	ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN'	HOWARD MCMINN VINE HILL MANZANITA	5 GAL		LOW	3 - 1' HT.	3 - 10' W.
	CALLISTEMON CITRINUS 'VIOLACEUS'	PURPLE LEMON BOTTLEBRUSH	5 GAL		LOW	15' - 25' HT.	15' - 25' W.
	CERCIS OCCIDENTALIS	WESTERN REDBUD MULTI-TRUNK	15 GAL	MULTI-STEM	VERY LOW	10' - 25' HT.	6' - 10' W.
	MAHONIA REPENS	CREEPING MAHONIA	5 GAL		LOW	6' - 18" HT.	1' - 3' W.
	NANDINA DOMESTICA	HEAVENLY BAMBOO	5 GAL		LOW	3' - 6' HT.	1' - 3' W.
	OLEA EUROPAEA 'LITTLE OLLIE'	WILSON OLIVE	5 GAL		VERY LOW	25' - 40' HT.	
	RIBES SANGUINEUM	RED FLOWERING CURRANT	5 GAL		LOW	6' - 10' HT.	3' - 10' W.

GRASSES	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	WATER USE	MATURE HEIGHT	MATURE WIDTH
	FESTUCA GLAUCA 'ELIJAH BLUE'	BLUE FESCUE	1 GAL		LOW	6 - 18" HT.	1 - 3' W.
	MUHLENBERGIA CAPILLARIS 'PINK CLOUD'	PINK MUHLY	5 GAL		LOW	3 - 6' HT.	3 - 6' W.
	MUHLENBERGIA RIGENS	DEER GRASS	5 GAL		LOW	3 - 6' HT.	3 - 6' W.

PERENNIALS	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	WATER USE	MATURE HEIGHT	MATURE WIDTH
	ACHILLEA MILLEFOLIUM 'MOONSHINE'	YARROW	1 GAL		LOW	6 - 18" HT.	1 - 3' W.
	IRIS DOUGLASIANA 'PACIFIC COAST HYBRIDS'	PCH IRIS	1 GAL		LOW	18 - 36" HT.	1 - 3' W.
	SALVIA CLEVELANDII 'ALLEN CHICKERING'	CLEVELAND SAGE	5 GAL		VERY LOW	3 - 6' HT.	3 - 6' W.

FLOW-THROUGH PLANTERS - NATIVES	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	WATER USE	MATURE HEIGHT	MATURE WIDTH
	CAREX TUMULICOLA	BERKELEY SEDGE - L	1 GAL		LOW	6 - 18" HT.	1 - 3' W.
	JUNCUS PATENS 'CARMAN'S GREY' - L	SPREADING RUSH	1 GAL		LOW	18 - 36" HT.	
	NASSELLA PULCHRA - L	PURPLE NEEDLE GRASS	1 GAL		VERY LOW	18 - 36" HT.	

GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	WATER USE	MATURE HEIGHT	MATURE WIDTH
	ACACIA REDOLENS	BANK CATCLAW	1 GAL		120" O.C.	VERY LOW	18" - 6' HT.	10' - 15' W.
	ARCTOSTAPHYLOS UVA-URSI 'POINT REYES'	POINT REYES KINNIKINNICK	1 GAL		120" O.C.	LOW	< 6" HT.	10' - 15' W.
	BACCHARIS PILULARIS 'TWIN PEAKS #2'	TWIN PEAKS COYOTE BRUSH	1 GAL		36" O.C.	VERY LOW	18 - 36" HT.	3 - 6' W.
	LANTANA MONTEVIDENSIS 'PURPLE'	TRAILING LANTANA	1 GAL		36" O.C.	LOW	6 - 18" HT.	3 - 6' W.
	MYOPORUM PARVIFOLIUM	TRAILING MYOPORUM	1 GAL		96" O.C.	LOW	< - 18" HT.	3 - 10' W.
	ROSMARINUS OFFICINALIS 'PROSTRATUS'	TRAILING ROSEMARY	1 GAL		36" O.C.	LOW	18 - 36" HT.	1 - 3' W.

THOMAS H. PHELPS
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CORNERSTONE CHURCH AND CHU PROPERTIES
LANDSCAPE IMPROVEMENT PLANS
CONSTITUTION DR. AT COLLIER CANYON DRIVE
LIVERMORE, CALIFORNIA

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Sheet Title
PLANT SCHEDULE

Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS #4122
09/30/24
Renewal Date
STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr.: THP
Drawn By: THP
Scale: 1"=30'
Date: 09/13/24
File Name: 02-025
Sheet No.: L4
of _____ sheets

PROPOSED TREES


Celtis occidentalis


Ginkgo biloba `Princeton Sentry`


Lagerstroemia x `Natchez`


Laurus nobilis 'saratoga'


Pinus canariensis


Pistacia chinensis `Keith Davey`


Platanus x acerifolia 'columbia'


Quercus agrifolia


Ulmus parvifolia `True Green`


x Chitalpa tashkentensis `Pink Dawn`

PROPOSED SHRUBS


Arctostaphylos densiflora `Howard McMinn`


Callistemon citrinus `Violaceus`


Cercis occidentalis


Mahonia repens


Nandina domestica


Olea europaea `LITTLE OLLIE`


Ribes sanguineum


Festuca glauca `Elijah Blue`


Muhlenbergia capillaris `Pink Cloud`


Muhlenbergia rigens

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Sheet Title
PLANT IMAGES

Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS #4122
09/30/24
Renewal Date
STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr.: THP
Drawn By: THP
Scale: 1"=30'
Date: 04/18/24
Sheet No.: L5
File Name: 02-025
of _____ sheets

PROPOSED PERENNIALS AND STORM WATER PLANTINGS



Achillea millefolium `Moonshine`



Iris douglasiana `Pacific Coast Hybrids`



Salvia clevelandii `Allen Chickering`

Carex tumulicola



Juncus patens `Carman`s Grey`



Nassella pulchra

PROPOSED GROUND COVERS



Acacia redolens



Arctostaphylos uva-ursi 'Point Reyes'



Baccharis pilularis `Twin Peaks #2`



Lantana montevidensis `Purple`



Myoporum parvifolium



Rosmarinus officinalis 'Prostratus'

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CORNERSTONE CHURCH AND CHU PROPERTIES
LANDSCAPE IMPROVEMENT PLANS
CONSTITUTION DR. AT COLLIER CANYON DRIVE
LIVERMORE, CALIFORNIA

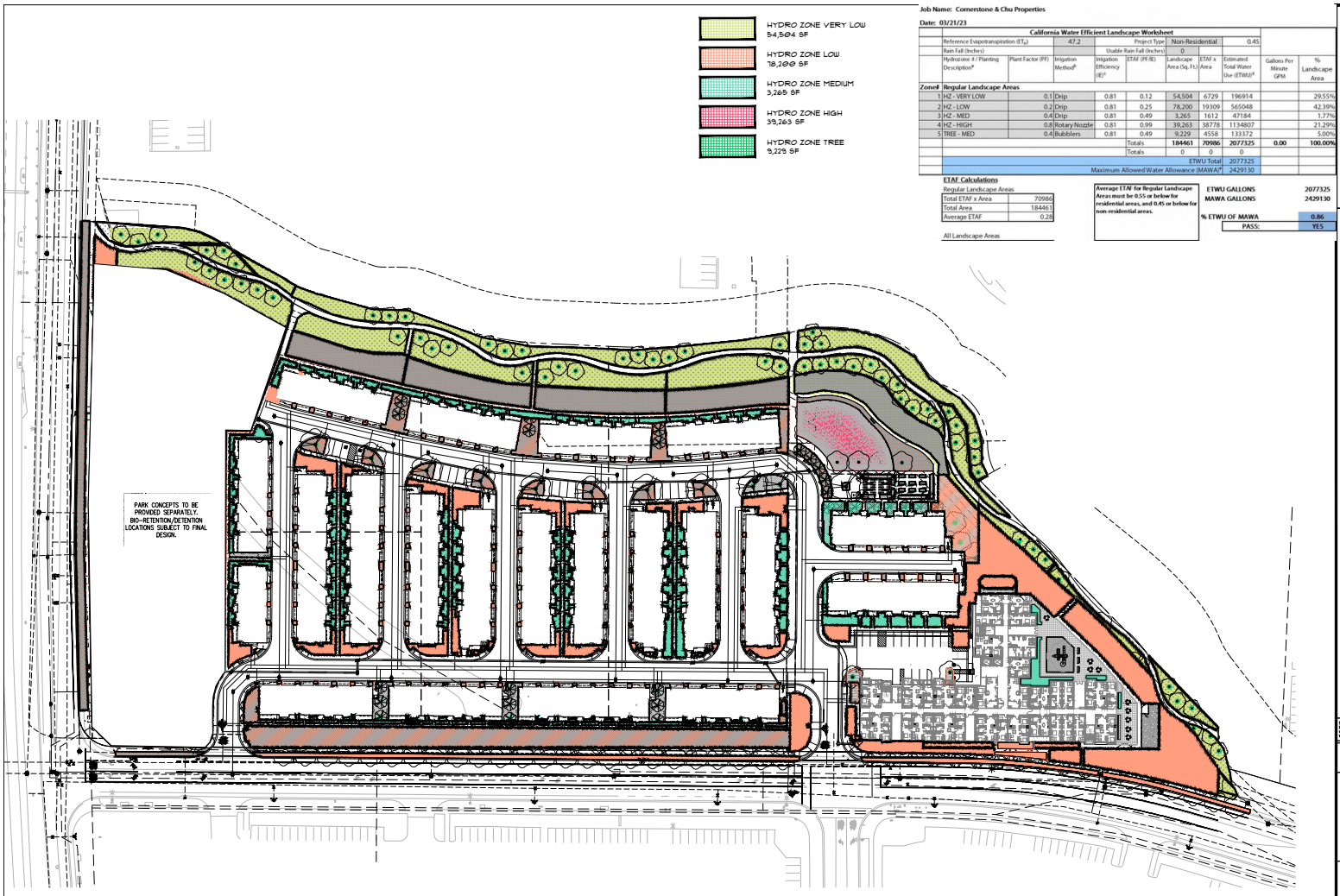
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Sheet Title
PLANT IMAGES

Seal
THOMAS H. PHELPS — LICENSED LANDSCAPE ARCHITECT — 4122 — 09/30/24 — STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr.: THP
Drawn By: THP
Scale: 1"=30'
Date: 04/18/24
Sheet No.: L6
File Name: 02-025
of _____ sheets



LANDSCAPE PLAN

Job Name: Cornerstone & Chu Properties

Date: 03/21/23

California Water Efficient Landscape Worksheet

	Reference Evapotranspiration (ET_o)		47.2			Project Type	Non-Residential		0.45		
	Rain Fall (Inches)					Usable Rain Fall (Inches)	0				
	Hydrozone # / Planting Description[A]	Plant Factor (PF)	Irrigation Method[B]	Irrigation Efficiency (IE)[C]	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[E]	Gallons Per Minute GPM	% Landscape Area
Zone#	Regular Landscape Areas										
1	HZ - VERY LOW	0.1	Drip	0.81	0.12	54,504	6729	196914		29.55%
2	HZ - LOW	0.2	Drip	0.81	0.25	78,200	19309	565048		42.39%
3	HZ - MED	0.4	Drip	0.81	0.49	3,265	1612	47184		1.77%
4	HZ - HIGH	0.8	Rotary Nozzle	0.81	0.99	39,263	38778	1134807		21.29%
5	TREE - MED	0.4	Bubblers	0.81	0.49	9,229	4558	133372		5.00%
					Totals	184461	70986	2077325	0.00	100.00%
					Totals	0	0	0		
							ETWU Total	2077325		
						Maximum Allowed Water Allowance (MAWA)[F]		2429130		

ETAF Calculations

Regular Landscape Areas	
Total ETAF x Area	70986
Total Area	184461
Average ETAF	0.28
All Landscape Areas	

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

ETWU GALLONS	2077325
MAWA GALLONS	2429130
% ETWU OF MAWA	0.86
PASS:	YES

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CORNERSTONE CHURCH AND CHU PROPERTIES
LANDSCAPE IMPROVEMENT PLANS
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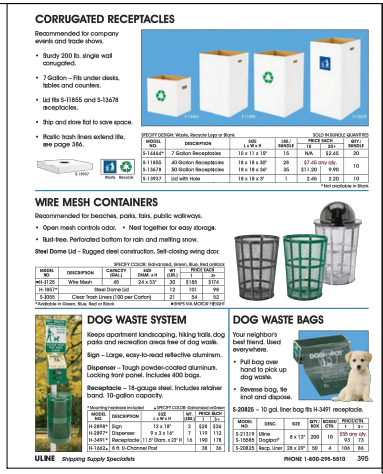
Sheet Title
SCHEMATIC IRRIGATION PLAN

Seal
LICENSED LANDSCAPE ARCHITECT THOMAS H. PHELPS #4122 09/30/24 RENEWAL DATE STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr: THP
Drawn By: THP
Scale: 1"=50'
Date: 04/18/24
File Name: 02-025
Sheet No.: L7
of _____ sheets

ATTACHMENT 3



CORRUGATED RECEPTACLES

Recommended for company events and trade shows.

- Sturdy 200 lb. single wall corrugated.
- 7 Gallon – Fits under desks, tables and counters.
- Lid fits S-11855 and S-13678 receptacles.
- Ship and store flat to save space.
- Plastic trash liners extend life, see page 386.

MODEL NO.	DESCRIPTION	SIZE L x W x H	LBS / BUNDLE	PRICE EACH 1+	PRICE EACH 2+	QTY / BUNDLE
S-14464*	7 Gallon Receptacles	15 x 11 x 15"	15	N/A	$2.45	20
S-11855	40 Gallon Receptacles	19 x 16 x 28"	28	$7.45 qty qty.		10
S-13678	90 Gallon Receptacles	19 x 16 x 36"	35	$11.20	9.95	
S-13937	Lid with Hole	19 x 16 x 3"	1	2.45	2.20	10

* Not available in Black

WIRE MESH CONTAINERS

Recommended for beaches, parks, fairs, public walkways.

- Open mesh controls odor. • Nest together for easy storage.
- Rust-free. Perforated bottom for rain and melting snow.

Steel Dome Lid – Rugged steel construction. Self-closing swing door.

MODEL NO.	DESCRIPTION	CAPACITY (GAL.)	SIZE DIAM. x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-S125	Wire Mesh	45	24 x 33"	32	$185	$174
H-1857*	Steel Dome Lid			13	101	98
S-3055	Clear Trash Liners (100 per Carton)			21	54	52

* Available in Green, Blue, Red or Black ● SHIPS VIA MOTOR FREIGHT

DOG WASTE SYSTEM

Keeps apartment landscaping, hiking trails, dog parks and recreation areas free of dog waste.

Sign – Large, easy-to-read reflective aluminum.

Dispenser – Tough powder-coated aluminum. Locking front panel. Includes 400 bags.

Receptacle – 18-gauge steel. Includes retainer band. 10-gallon capacity.

* Mounting hardware included ● SPECIFY COLOR: Galvanized, Green, Blue, Red or Black

MODEL NO.	DESCRIPTION	SIZE L x W x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-2893*	Sign	13 x 18"	2	$38	$36
H-2857*	Dispenser	9" x 3 x 54"	7	119	112
H-3491*	Receptacle	11.5" Diam. x 27" H	16	190	178
H-1462	6 ft. H-Channel Post			38	36

DOG WASTE BAGS

Your neighbor's best friend. Used everywhere.

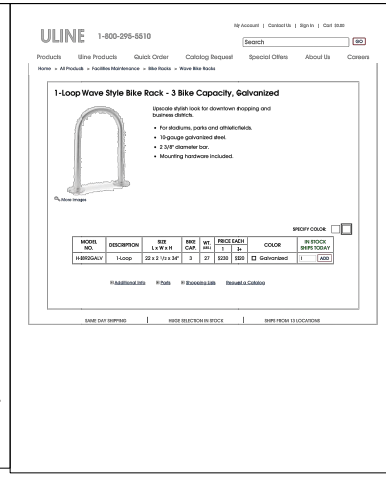
- Pull bag over hand to pick up dog waste.
- Reverse bags, tie knot and dispose.

S-20835 – 10 gal. liner bag fits H-3491 receptacle.

MODEL NO.	DESC.	SIZE	QTY / BOX	BOXES / CTN.	PRICE/CTN. 1	PRICE/CTN. 2+
S-21319	Ultra	8 x 13"	200	10	$95 qty qty.	
S-10565	Dogipot®			93	73	
S-20835	Recip. Liner	28 x 29"	00	4	100	66

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DOG WASTE SYSTEM



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1-Loop Wave Style Bike Rack - 3 Bike Capacity, Galvanized

Upscale stylish look for downtown shopping and business districts.

- For stadiums, parks and athletic fields.
- 10-gauge galvanized steel.
- 2 3/8" diameter bar.
- Mounting hardware included.

More Images

MODEL NO.	DESCRIPTION	SIZE L x W x H	BIKE CAP.	WT. (lbs.)	PRICE EACH 1	PRICE EACH 2+	COLOR	IN STOCK SHIPS TODAY
H-BRIGGALV	1-Loop	22 x 2 1/2 x 34"	3	27	$200	$180	☐ Galvanized	1 ADD

SPECIFY COLOR

Additional Info | Parts | Shopping Lists | Request a Catalog

SAME DAY SHIPPING | HUGE SELECTION IN STOCK | SHIPS FROM 13 LOCATIONS

BIKE RACK



OUTDOOR FURNITURE

ROUND | SQUARE | RECTANGLE | BENCH WITH BACK | BENCH WITHOUT BACK | 8' RECTANGLE | INGROUND MOUNT

Uline loves these! Attractive, rugged and built to last. Give your corporate office patio an upscale look.

- Thermoplastic coating withstands heat, cold and all weather elements. Rust free.
- High gloss, smooth surface allows for easy spray paint and graffiti removal.
- 9-gauge expanded metal with 2" black steel frame.
- Rounded corners for added safety.
- ADA models, see uline.com

Inground Mount Furniture – Permanently anchor in ground. Secure with concrete. See page 398.

BROWN | SILVER MINT

AVAILABLE IN 10 HOT COLORS!

SPECIFY COLOR: Black, Red, Brown, Green, Blue, Gray, Tan, Stone, Beige

TABLES

MODEL NO.	DESCRIPTION	SIZE L x W x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-3126	44" Square	80 x 80 x 30½"	195	$730	$670
H-3127	44" Round	81 x 81 x 30½"	175	740	690
H-3128	6' Rectangle	72 x 61 x 30½"	145	690	600
H-3129	8' Rectangle	96 x 61 x 30½"	170	720	650
H-2672	48" ADA Round	51 x 51 x 30½"	100	720	670

SHIPS VIA MOTOR FREIGHT ● ASSEMBLY REQUIRED

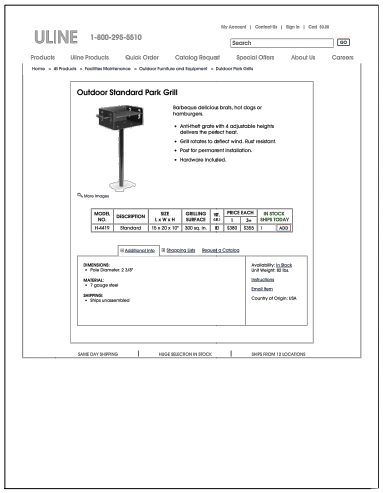
BENCHES

MODEL NO.	DESCRIPTION	SIZE L x W x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-3000	4' Bench with Back	48 x 12 x 31"	80	$340	$320
H-3001	4' Bench without Back	48 x 12 x 18"	55	240	225
H-2294	6' Bench with Back	72 x 12 x 31"	100	380	360
H-2295	6' Bench without Back	72 x 12 x 18"	63	260	245
H-3002	8' Bench with Back	96 x 12 x 31"	120	450	430
H-3003	8' Bench without Back	96 x 12 x 18"	45	340	325

DROP SHIPS IN 1 DAY FROM NC, ASSEMBLED VIA MOTOR FREIGHT

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PICNIC TABLES



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Outdoor Standard Park Grill

Barbecue delicious brats, hot dogs or hamburgers.

- Anti-theft grate with 4 adjustable heights delivers the perfect heat.
- Grill rotates to deflect wind. Rust resistant.
- Post for permanent installation.
- Hardware included.

More Images

MODEL NO.	DESCRIPTION	SIZE L x W x H	GRILLING SURFACE	qty.	PRICE EACH 1	PRICE EACH 2+	IN STOCK SHIPS TODAY
H-4419	Standard	15 x 20 x 70"	300 sq. in.	ID	$360	$285	ADD

Additional Info | Shopping Lists | Request a Catalog

DIMENSIONS: • Pole Diameter: 2 3/8"

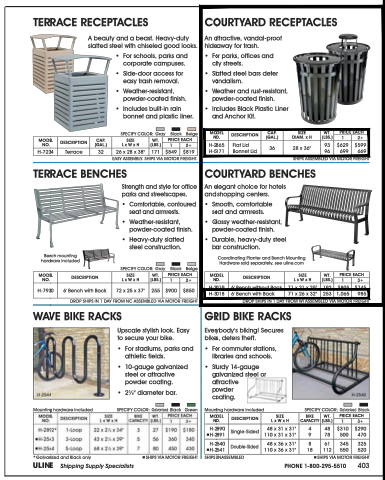
MATERIAL: • 7 gauge steel

SHIPPING: • Ships unassembled

Availability: In Stock
Unit Weight: 82 lbs.
Instructions
Email Item
Country of Origin: USA

SAME DAY SHIPPING | HUGE SELECTION IN STOCK | SHIPS FROM 13 LOCATIONS

BARBEQUE



TERRACE RECEPTACLES

A beauty and a beast. Heavy-duty slatted steel with chiseled good looks.

- For schools, parks and corporate campuses.
- Side-door access for easy trash removal.
- Weather-resistant, powder-coated finish.
- Includes built-in rain bonnet and plastic liner.

SPECIFY COLOR: Gray, Black, Beige

MODEL NO.	DESCRIPTION	CAP. (GAL.)	SIZE L x W x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-723K	Terrace	32	25 x 28 x 58"	177	$649	$619

EASY ASSEMBLY. SHIPS VIA MOTOR FREIGHT

COURTYARD RECEPTACLES

An attractive, vandal-proof hideaway for trash.

- For parks, offices and city streets.
- Slatted steel bars deter vandalism.
- Weather and rust-resistant, powder-coated finish.
- Includes Black Plastic Liner and Anchor Kit.

MODEL NO.	DESCRIPTION	CAP. (GAL.)	SIZE DIAM. x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-2665	Post Lid	36	28 x 34"	93	$629	$597
H-2671	Domed Lid			95	659	626

EASY ASSEMBLY. SHIPS VIA MOTOR FREIGHT

TERRACE BENCHES

Strength and style for office parks and streetscapes.

- Comfortable, contoured seat and armrests.
- Weather-resistant, powder-coated finish.
- Heavy-duty slatted steel construction.

Bench mounting hardware included

SPECIFY COLOR: Gray, Black, Beige

MODEL NO.	DESCRIPTION	SIZE L x W x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-7930	6' Bench with Back	72 x 26 x 37"	255	$900	$860

DROP SHIPS IN 1 DAY FROM NC, ASSEMBLED VIA MOTOR FREIGHT

COURTYARD BENCHES

An elegant choice for hotels and shopping centers.

- Smooth, comfortable seat and armrests.
- Glossy weather-resistant, powder-coated finish.
- Durable, heavy-duty steel bar construction.

Coordinating Planter and Bench Mounting Hardware sold separately, see uline.com

MODEL NO.	DESCRIPTION	SIZE L x W x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-3018	6' Bench with Back	77 x 26 x 37"	253	$864	$824

SHIPS VIA MOTOR FREIGHT ● ASSEMBLY REQUIRED

WAVE BIKE RACKS

Upscale stylish look. Easy to secure your bike.

- For stadiums, parks and athletic fields.
- 10-gauge galvanized steel or attractive powder coating.
- 2½" diameter bar.

H-3544

Mounting hardware included

SPECIFY COLOR: Galvanized, Black, Green, Blue, Red

MODEL NO.	DESCRIPTION	SIZE L x W x H	BIKE CAPACITY	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-2892*	1-Loop	22 x 2½ x 34"	3	27	$190	$180
H-25-3	3-Loop	43 x 2½ x 29"	5	56	360	340
H-25-4	5-Loop	68 x 2½ x 29"	7	80	450	430

* Galvanized and Black only ● SHIPS VIA MOTOR FREIGHT

GRID BIKE RACKS

Everybody's biking! Secures bike, deters theft.

- For commuter stations, libraries and schools.
- Sturdy 14-gauge galvanized steel or attractive powder coating.

H-2546

Mounting hardware included

SPECIFY COLOR: Galvanized, Black, Green, Blue, Red

MODEL NO.	DESCRIPTION	SIZE L x W x H	BIKE CAPACITY	WT. (LBS.)	PRICE EACH 1	PRICE EACH 2+
H-3990 H-3991	Single-Sided	48 x 31 x 31" 110 x 31 x 31"	4 9	48 78	$310 580	$290 470
H-3540 H-3541	Double-Sided	48 x 36 x 31" 110 x 36 x 31"	8 18	61 112	345 590	325 520

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BENCHES & TRASH RECEPTACLES

THOMAS H. PHELPS
LANDSCAPE ARCHITECTURE
IDLA, INC.
California Landscape Architect #4122
ID #LA-16771 * HI #LA-1612

P.O.BOX 170129
Boise, Idaho 83717
thp@idlainc.net
(208) 906-1300

CORNERSTONE CHURCH AND CHU PROPERTIES
LANDSCAPE IMPROVEMENT PLANS
CONSTITUTION DR. AT COLLIER CANYON DRIVE
LIVERMORE, CALIFORNIA

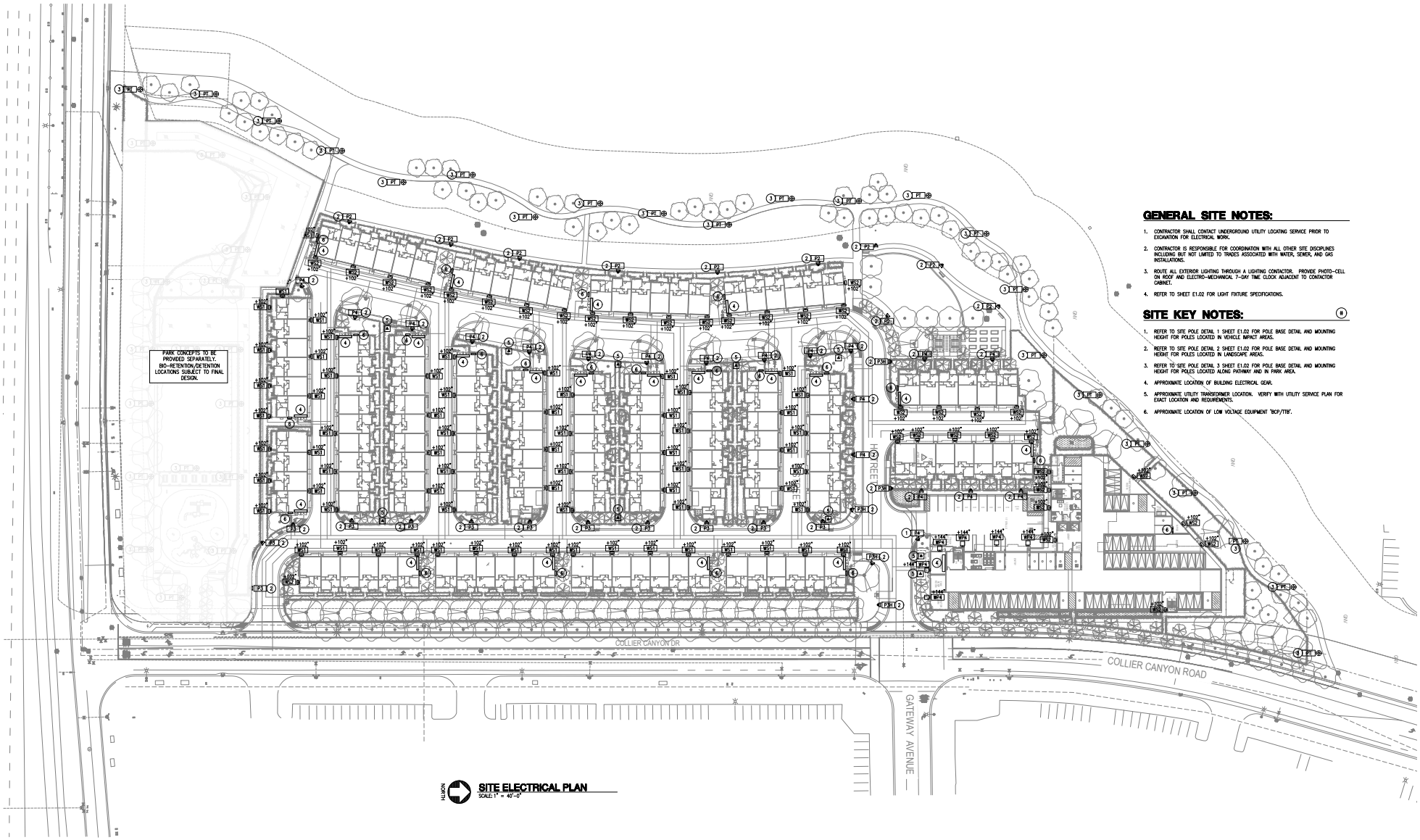
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Sheet Title: SITE FURNISHINGS

Seal: THOMAS H. PHELPS LANDSCAPE ARCHITECT IDAHO 16771 REGISTERED 09/30/24 STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr.: THP
Drawn By: THP
Scale: 1"=30'
Date: 04/15/24
Sheet No.: L8
File Name: 02-025
of _____ sheets



SITE ELECTRICAL PLAN

SCALE: 1" = 40'-0"

GENERAL SITE NOTES:

1. CONTRACTOR SHALL CONTACT UNDERGROUND UTILITY LOCATING SERVICE PRIOR TO EXCAVATION FOR ELECTRICAL WORK.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL OTHER SITE DISCIPLINES INCLUDING BUT NOT LIMITED TO TRADES ASSOCIATED WITH WATER, SEWER, AND GAS INSTALLATIONS.
3. ROUTE ALL EXTERIOR LIGHTING THROUGH A LIGHTING CONTACTOR. PROVIDE PHOTO-CELL ON ROOF AND ELECTRO-MECHANICAL 7-DAY TIME CLOCK ADJACENT TO CONTACTOR CABINET.
4. REFER TO SHEET E1.02 FOR LIGHT FIXTURE SPECIFICATIONS.

SITE KEY NOTES:

1. REFER TO SITE POLE DETAIL 1 SHEET E1.02 FOR POLE BASE DETAIL AND MOUNTING HEIGHT FOR POLES LOCATED IN VEHICLE IMPACT AREAS.
2. REFER TO SITE POLE DETAIL 2 SHEET E1.02 FOR POLE BASE DETAIL AND MOUNTING HEIGHT FOR POLES LOCATED IN LANDSCAPE AREAS.
3. REFER TO SITE POLE DETAIL 3 SHEET E1.02 FOR POLE BASE DETAIL AND MOUNTING HEIGHT FOR POLES LOCATED ALONG PATHWAY AND IN PARK AREA.
4. APPROXIMATE LOCATION OF BUILDING ELECTRICAL GEAR.
5. APPROXIMATE UTILITY TRANSFORMER LOCATION. VERIFY WITH UTILITY SERVICE PLAN FOR EXACT LOCATION AND REQUIREMENTS.
6. APPROXIMATE LOCATION OF LOW VOLTAGE EQUIPMENT 'BCP/TTB'.

--/--/--

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209.286.2161 Project:23PAC01

SDG ARCHITECTS

CORNERSTONE

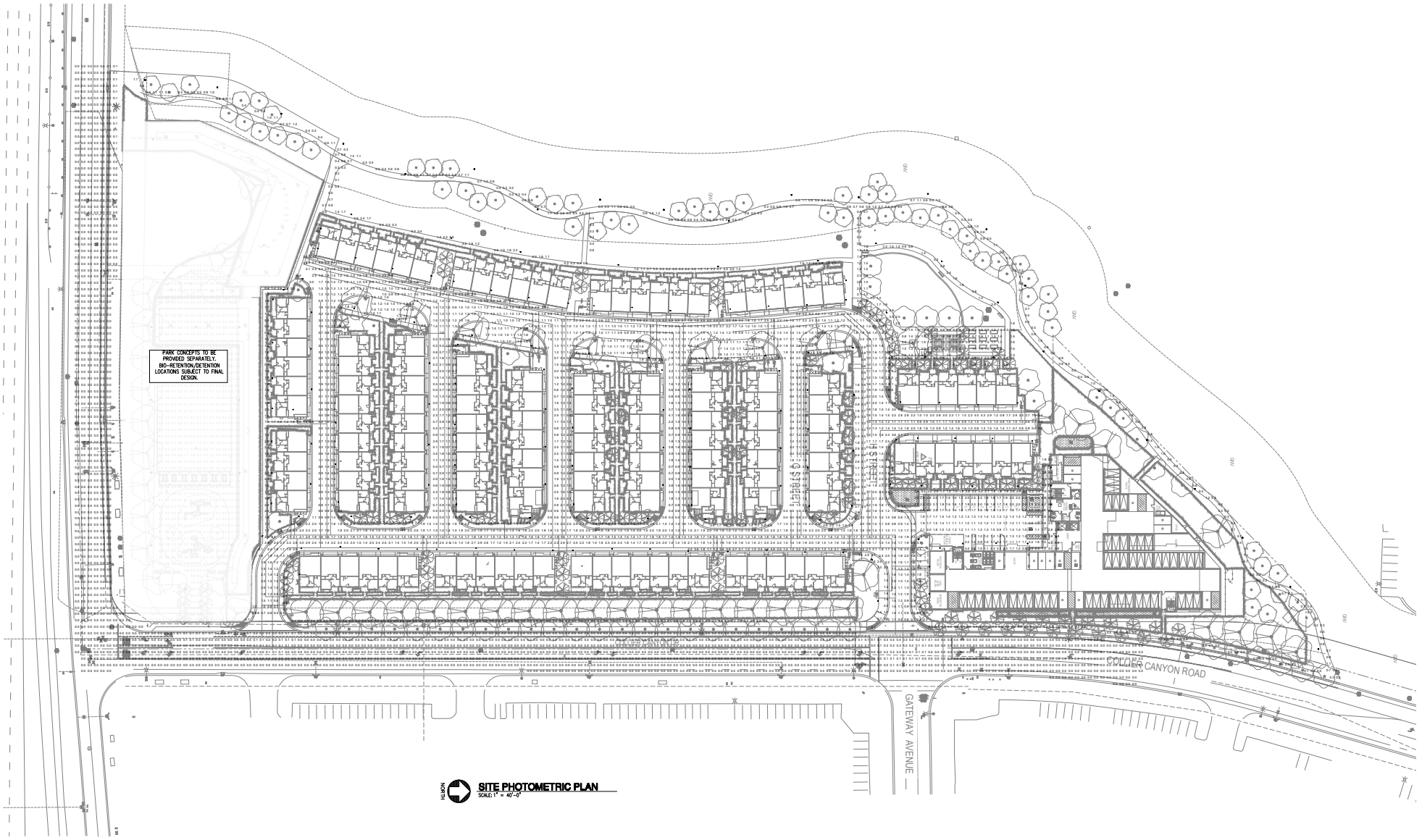
COLLIER CANYON RD & CONSTITION DRIVE

LIVERMORE, CA.

NO.	REVISIONS	DATE

SCALE: AS NOTED
DATE: 09/10/24
DRAWN BY: JJF
CHECKED BY: JJF

SHEET E1.00



SITE PHOTOMETRIC PLAN
SCALE: 1" = 40'-0"

--/--/--

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SDG ARCHITECTS

CORNERSTONE

COLLIER CANYON RD & CONSTITION DRIVE

LIVERMORE, CA.

NO.	REVISIONS	DATE

SCALE: AS NOTED
DATE: 09/10/24
DRAWN BY: JJF
CHECKED BY: JJF

SHEET
E1.01

D-Series Pole Mount
LED Area Luminaire



Catalog Number: SEE LUMINAIRE SCHEDULE
Notes:
Type: P2, P3, P3H, P4

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications
Luminaire

EPA:	0.8 ft² (.07 m²)
Width:	13-3/4" (34.9 cm)
Length:	11.5" (29.2 cm)
Height:	8" (20.3 cm)
Weight:	16.03 lbs (7.3 kg)

Introduction
The D-Series Pole Mount luminaire is a stylish, fully integrated LED solution for area and site applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Pole Mount is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information
EXAMPLE: DSXWPM LED 20C 1000 40K T5M MVOLT SPUMBA DDBXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSXWPM LED	10C 10 LEDs (one engine); 20C 20 LEDs (two engines)	350 350 mA; 530 530 mA; 700 700 mA; 1000 1000 mA (1 A)	30K 3000K; 40K 4000K; 50K 5000K; AMBPC Amber phosphor converted	T2S Type II short; T2M Type II medium; T3S Type III short; T3M Type III medium; T4M Type IV medium; TFTM Forward throw medium; T5M Type V medium; T5S Type V short; T5A Type V area; T5W Type V wide; SYMDF Symmetric diffuse	MVOLT; 120; 208; 240; 277; 347; 480	Shipped included: SPUMBA Square pole universal mounting adapter; RPUMBA Round pole universal mounting adapter; PUMBA Square and round universal mounting adapters

Control Options	Other Options	Finish (required)
Shipped installed: PE Photoelectric cell, button type; DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately); PIR Motion/ambient light sensor, <15' mtg ht; PIRH Motion/ambient light sensor, 15-30' mtg ht; PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc; PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc	Shipped installed: SF Single fuse (120, 277, 347V); DF Double fuse (208, 240, 480 V); HS House-side shield. Shipped separately: BSW Bird-deterrent spikes; WG Wire guard; VG Vandal guard; DDL Diffused drop lens	DDBXD Dark bronze; DBLXD Black; DNAXD Natural aluminum; DWHXD White; DSSXD Sandstone; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white; DSSTXD Textured sandstone

NOTES
1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
2. Only available with 20C, 700mA or 1000mA. Not available with PIR, PIRH.
3. Not available with 90 degree mounting. Not recommended for 3" poles.
4. Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
5. PIR specifies the SensorSwitch SBGR-10-ODP control; PIRH specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Includes ambient light sensor. Not available with "PE" option (button type photocell).
6. Not available with 20 LED/1000 mA configuration (DSXWPM LED 20C 1000).
7. PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Separate on/off required.
8. Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208, 240, or 480 voltage option.
9. Also available as a separate accessory; see Accessories information.

Accessories (Ordered and shipped separately)
DSXWHS U House-side shield (one per light engine)
DSXWBSW U Bird-deterrent spikes
DSXWWG U Wire guard accessory
DSXWVG U Vandal guard accessory
DSXWDDL U Diffused drop lens

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LITHONIA LIGHTING®

Catalog Number: SEE LUMINAIRE SCHEDULE
Notes:
Type: P2, P3, P3H, P4 POLES

Anchor Base Poles
SSS
SQUARE STRAIGHT STEEL
BAA



FEATURES & SPECIFICATIONS
INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —
Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".
Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.
Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".
Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.
Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.
HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.
FINISH — Extra durable painted finish is coated with TGIC (Triglydyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.
BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.
INSTALLATION — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.
WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions
NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

WSR LED
Architectural Wall Sconce



Inverted available with WLU option only.

Catalog Number: SEE LUMINAIRE SCHEDULE
Notes:
Type: WP2, WP4

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications
Luminaire
Height: 7-1/4" (18.4 cm)
Width: 18" (45.7 cm)
Depth: 9" (22.8 cm)
Weight: 17 lbs (7.7 kg)

Optional Back Box (BBW)
Height: 4" (10.2 cm)
Width: 5-1/2" (14.0 cm)
Depth: 1-1/2" (3.8 cm)
For 3/4" NPT side-entry conduit

Introduction
Classic Architectural Wall Sconce with the LED technology. Long-life, maintenance-free product with typical energy savings of 80% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity. The WSR LED is ideal for replacing existing 50 – 250W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Ordering Information
EXAMPLE: WSR LED P2 40K SR3 MVOLT DDBTXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Options	Finish (required)
WSR LED	P1; P2; P3; P4	30K; 40K; 50K	SR2 Type II; SR3 Type III; SR4 Type IV	MVOLT; 120; 208; 240; 277; 347; 480	Shipped included: (blank) Surface mount. Shipped separately: BBW Surface-mounted back box	Shipped installed: PE Photoelectric cell, button type; SF Single fuse (120, 277, 347V); DF Double fuse (208, 240, 480V); DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately); E20WC Emergency battery backup, (18W, -20°C), Certified in CA Title 20 MAEDBS; E10WH Emergency battery backup, (10W, 5°C), Certified in CA Title 20 MAEDBS; WLU Wet location door for up orientation; PIR Motion/ambient light sensor; DS Dual switching; SPD Separate Surge Protection. Shipped separately: VG Vandal guard; WG Wire guard	DDBXD Dark bronze; DBLXD Black; DNAXD Natural aluminum; DWHXD White; DSSXD Sandstone; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white; DSSTXD Textured sandstone

Emergency Battery Operation
The emergency battery backup (E20WC & E10WH options) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.
All E20WC and E10WH configurations include an independent secondary driver with an integral relay to immediately detect AC power loss.
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.
The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package Type IV product in emergency mode.

WSR P1 LED 40K SR4 MVOLT E20WC
10' x 10' Gridlines
8' and 12' Mounting Height

NOTES
1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. Not available with 480V option.
3. PE requires specified voltage.
4. Single fuse (SF) requires 120V, 277V or 347V options. Double fuse (DF) requires 208V, 240V or 480V options.
5. Not available with 347V or 480V. Not available with WLU.
6. WLU not available with PIR, E20WC or E10WH.
7. When ordering PIR, "PE" will be automatically added to the order line for "dim to off" capability. See PIR Table for default settings.
8. Only available with P3 & P4 packages. Provides 50/50 luminaire operation via two independent drivers and light engines on two separate circuits. Not available with E20WC, E10WH, WLU, SF, or DF. When ordered with photocell (PE) or motion sensor (PIR), only the primary power source leads will be controlled.
9. See electrical section on page 2 for more details.

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WPX LED
Wall Packs



Catalog Number: SEE LUMINAIRE SCHEDULE
Notes:
Type: WS1, WS2

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications
Front View / Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location A	Side Conduit Location B	Weight
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Introduction
The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information
EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1 1,550 Lumens, 11W; WPX1 LED P2 2,900 Lumens, 24W; WPX2 LED 6,000 Lumens, 47W; WPX3 LED 9,200 Lumens, 69W	30K 3000K; 40K 4000K; 50K 5000K	MVOLT 120V - 277V; 347 347V	(blank) None; E4WH Emergency battery backup, CEC compliant (4W, 0°C min); E14WC Emergency battery backup, CEC compliant (14W, -20°C min); PE Photocell	DDBXD Dark bronze; DWHXD White; DBLXD Black; Note: For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES
1. All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
2. Battery pack options only available on WPX1 and WPX2.
3. Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS
INTENDED USE
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION
WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).
All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

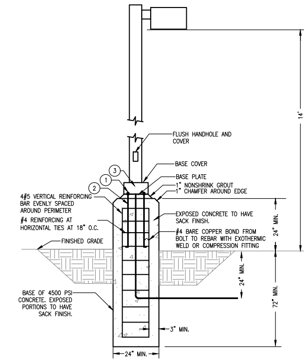
INSTALLATION
WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

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POLE BASE DETAIL KEYED NOTES:
1. PROVIDE GALVANIZED LOCKNUTS AND LOCKWASHERS.
2. PROVIDE ANCHOR BOLTS TO MATCH PATTERN AS PROVIDED BY MANUFACTURER.
3. STUB 3/4"C–6" ABOVE POLE BASE.

1 POLE BASE DETAIL
SCALE: N.T.S.

LUMEC by Signify
Urban
MetroScape
MPTR-C Comfort Optics Post Top



Lumec **MetroScape LED** post top luminaire features flexible, robust energy-saving solutions for heritage-styled urban architectural lighting. Crowned with an ornamental hood, the post top model comes with a flat lens to highlight the thinness of the LEDs. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

Project:
Location:
Cat.No: SEE LUMINAIRE SCHEDULE
Type: PT
Lamps: Qty:
Notes:

Luminaire ordering guide
Example: MPTR-C-140L1150WW-G1-2-UNV-DMG-RCD7-BKTX

Series	LED Module	Gen.	Optical System	Voltage	Driver Option[3]	Luminaire option	Finish
MPTR-C; MPTRCC-C; MPTRCR-C; MPTRRC-C; MetroScape LED post top luminaire with Comfort optics	3000K: 140L450WW; 140L650WW; 140L1150WW; 140L1675WW; 140L2100WW. 4000K: 140L450NW; 140L650NW; 140L1150NW; 140L1675NW; 140L2100NW	G1 Gen 1	1 Type I; 2 Type II; 3 Type III; 4 Type IV; 5 Type V	UNV 120-277 VAC; 347 347VAC; 480 480VAC	CDMGE25[1] Economy 8 hrs. 25% reduction; CDMGE50[1] Economy 8 hrs. 50% reduction; CDMGE75[1] Economy 8 hrs. 75% reduction; CDMGM25[1] Median 6 hrs. 25% reduction; CDMGM50[1] Median 6 hrs. 50% reduction; CDMGM75[1] Median 6 hrs. 75% reduction; CDMGS25[1] Safety 4 hrs. 25% reduction; CDMGS50[1] Safety 4 hrs. 50% reduction; CDMGS75[1] Safety 4 hrs. 75% reduction; DMG 0-10V; SRD[1] Sensor ready driver (standard configuration); SRD1[1] Sensor ready driver (alternate configuration)	FN2 Decorative finial; FN3 Decorative finial; FN4 Decorative finial; FN8 Decorative finial; FN9 Decorative finial; FN10 Decorative finial; FN11 Decorative finial; FNC Finial painted Copper; OVR Dynadimmer override function; PH8[4] Twist-lock Photoelectric Cell; PH9[4] Shorting cap; PHXL[1,4] Twist-lock Photoelectric Cell, extended life, UNV (120-277VAC); RCD[2] Receptacle for twist-lock photocell or shorting cap, 5-pin (standard); RCD7[2] Receptacle for twist-lock photocell or shorting cap, 7-pin (optional); SP2 20kV / 10kA Surge Protector (optional); TN3[5] Fitter to fit over 3" (76 mm) O.D. by 4" (102 mm) long tenon; TN3.5[5] Fitter to fit over 3 1/2" (89 mm) O.D. by 4" (102 mm) long tenon	BE2TX; BE6TX; BE8TX; BG2TX; BKTX; BRTX; GN4TX; GN6TX; GN8TX; GNTX; GR; GY3TX; NP; RD2TX; RD4TX; TG; TS; WHTX (consult pg 4 for code descriptions)

1. Not available with 347V and 480V.
2. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
3. Select either CDMG or DMG mandatory option.
4. Either RCD or RCD7 must be selected for this option.
5. Not available with Motion Response.

LUMEC by Signify
Outdoor
Poles and Brackets
R90 Traditional Steel Pole

Made from a 16 flute, mandrel-formed, tapered steel shaft welded to a 6-5/8" round (168 mm) steel pole base which is then welded top and bottom to a steel anchor plate. A 4-1/2" by 10" (114 by 254 mm) maintenance opening is complete with cover and copper ground lug.

Project:
Location:
Cat.No: SEE LUMINAIRE SCHEDULE
Type: PT POLE
Lamps: Qty:
Notes:

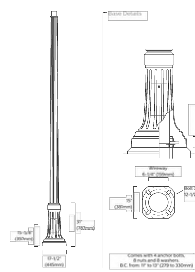
Ordering guide
example: R90-D-10-LS-BE2TX

Pole Family	Wall Thickness	Nominal Height	Options	Finish
R90	D 0.12"	10 10'; 12 12'; 14 14'; 15 15'; 16 16'; 18 18'; 20 20'	LS Provision for loudspeaker outlet; PH7 Button-type photoelectric cell (specify operating voltage); DR Duplex receptacle (120V line voltage only); GFI DR with common ground fault interrupter (120V line voltage only); BA Banner arm; PS Plant support; MPL Mid-pole luminaire	BE2TX Midnight Blue Textured; BE6TX Ocean Blue Textured; BE8TX Royal Blue Textured; BG2TX Sandstone Gold Textured; BKTX Black Textured; BRTX Bronze Textured; GN4TX Blue Green Textured; GN6TX Forest Green Textured; GN8TX Dark Forest Green Textured; GNTX Green Textured; GY3TX Medium Grey Textured; RD2TX Burgundy Textured; RD4TX Scarlet Textured; WHTX White Textured; GR Gray Sandtex; NP Natural Alum.; TG Hammer-tone; TS Hammer-tone Silver

Note: The recommended method for calculating EPA (Effective Projected Area) is in accordance with AASHTO 2001 standards: for three seconds, the pole is tested in wind gusts equivalent to the strongest winds on record over the past 50 years, and with a 50 pound load (22.7 kg) placed at 1 foot (305 mm) above its center.

Outdoor Poles and Brackets
R90 – Traditional Steel Pole

Dimensions

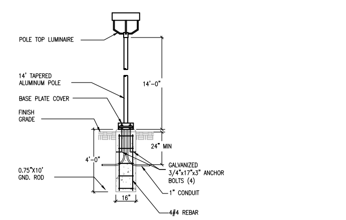


Signify

LUMINAIRE SCHEDULE

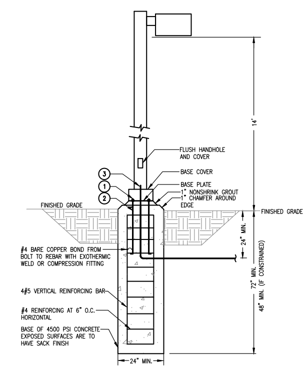
TAG	MANUFACTURER	CATALOG NUMBER	LAMPS	WATTS	VOLTS	MOUNTING	DESCRIPTION
P2	LITHONIA	DSXWPM LED 20C 530 30K T2M MVOLT HS POLE= SSS-14-4G-DBLXD	LED	34.9	120	POLE	GENERAL AREA POLE LIGHT
P3	LITHONIA	DSXWPM LED 10C 1000 30K T3M MVOLT POLE= SSS-14-4G-DBLXD	LED	38.8	120	POLE	GENERAL AREA POLE LIGHT
P3H	LITHONIA	DSXWPM LED 10C 1000 30K T3M MVOLT HS POLE= SSS-14-4G-DBLXD	LED	38.8	120	POLE	GENERAL AREA POLE LIGHT
P4	LITHONIA	DSXWPM LED 20C 700 30K T4M MVOLT HS POLE= SSS-14-4G-DBLXD	LED	45.7	120	POLE	GENERAL AREA POLE LIGHT
PT	SIGNIFY	MPTR-C-140L-450-NW-G1-2-UNV POLE= R90-D-14-PH7-BKTX	LED	22	120	POLE	PATHWAY/PARK POST TOP LIGHT
WP2	LITHONIA	WSR LED P1 SR2 30K MVOLT	LED	19.6	120	WALL	WALL MOUNTED AREA LIGHT
WP4	LITHONIA	WSR LED P1 SR4 30K MVOLT	LED	19.6	120	WALL	WALL MOUNTED AREA LIGHT
WS1	LITHONIA	WPX1 LED P1 30K Mvolt	LED	11.5	120	WALL	TOWNHOME MOUNTED LIGHT
WS2	LITHONIA	WPX1 LED P2 30K Mvolt	LED	23.3	120	WALL	TOWNHOME MOUNTED LIGHT

General Notes:
Design is based upon named manufacturer. Alternate manufacturers are acceptable, subject to compliance with the specified requirements.
Contractor shall provide and coordinate all fixture mounting accessories.
Refer to lighting plans for quantity of fixtures.



NOTE:
POLE MUST WITHSTAND 80 MPH SUSTAINED LOAD AND 100 MPH GUSTS

3 SIDEWALK POLE LIGHT DETAIL
SCALE: N.T.S.



POLE BASE DETAIL GENERAL NOTES:
1. WHERE CONCRETE SLAB OR PAVING IS IN DIRECT CONTACT WITH POLE BASE, THE BASE IS CONSTRAINED AND THE FOOTING EMBED MAY BE REDUCED AS NOTED.

POLE BASE DETAIL KEYED NOTES:
1. PROVIDE GALVANIZED LOCKNUTS AND LOCKWASHERS.
2. PROVIDE ANCHOR BOLTS TO MATCH PATTERN AS PROVIDED BY MANUFACTURER.
3. STUB 3/4"C–6" ABOVE POLE BASE.

2 POLE BASE DETAIL
SCALE: N.T.S.

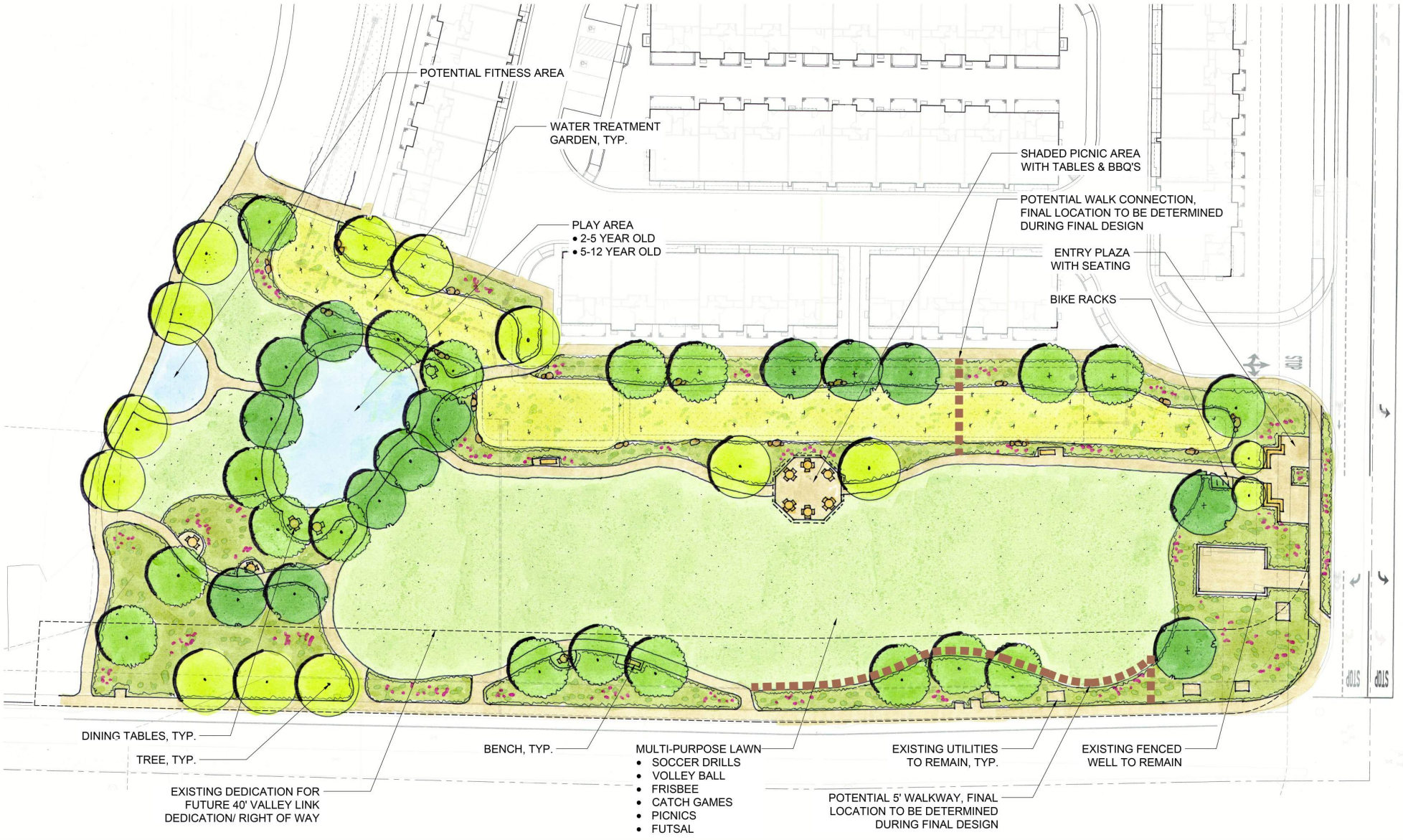
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208.288.2181 Project:23PAC01

SDG ARCHITECTS
CORNERSTONE
COLLIER CANYON RD & CONSTITION DRIVE
LIVERMORE, CA.

NO.	REVISIONS	DATE

SCALE: AS NOTED
DATE: 09/10/24
DRAWN BY: JJF
CHECKED BY: JJF
SHEET E1.02



VAN DORN ABED
LANDSCAPE ARCHITECTS, INC.
81 14TH STREET, SAN FRANCISCO, CA
ZIP 94103 PH (415) 864-8121 FAX (415) 864-4796

TRUMARK HOMES
COLLIER CANYON ROAD
LIVERMORE, CALIFORNIA

PUBLIC PARK CONCEPTUAL DESIGN
SCALE: 1" = 20'-0" DATE: 11/12/24

0' 10' 20' 40' 60'

P1.0



VAN DORN ABED
LANDSCAPE ARCHITECTS, INC.
81 14TH STREET, SAN FRANCISCO, CA
ZIP 94103 PH (415) 864-1521 FAX (415) 864-0796

TRUMARK HOMES
COLLIER CANYON ROAD
LIVERMORE, CALIFORNIA

ON SITE PARK CONCEPTUAL DESIGN
SCALE:1" = 20'-0" DATE: 11/12/24

0' 10' 20' 40' 60'

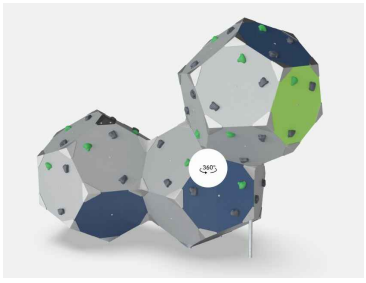
P1.1

AMENITY OPTIONS










EXAMPLE OF POSSIBLE PLAY STRUCTURE CHOICES FOR 5-12 YEAR OLD KIDS






EXAMPLE OF POSSIBLE PLAY STRUCTURE CHOICES FOR 2-5 YEAR OLD KIDS

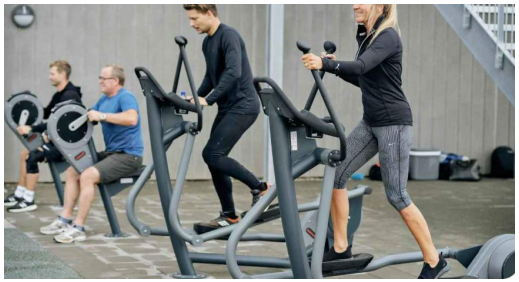
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81 14TH STREET, SAN FRANCISCO, CA
ZIP 94103 PH (415) 864-1521 FAX (415) 864-0796

TRUMARK HOMES
COLLIER
CANYON ROAD
LIVERMORE, CALIFORNIA

PUBLIC PARK CONCEPTUAL IMAGERY
SCALE:N/A DATE: 11/12/24

P2.0

AMENITY OPTIONS






POSSIBLE FITNESS EQUIPMENT













EXAMPLE PARK FURNITURE

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LANDSCAPE ARCHITECTS, INC.
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COLLIER
CANYON ROAD
LIVERMORE, CALIFORNIA

PUBLIC PARK CONCEPTUAL IMAGERY
SCALE:N/A DATE: 11/12/24

P2.1

AMENITY OPTIONS


YOUTH SOCCER PRACTICE


PICNICS


KICK BALL


LAWN GAMES


CATCH


CROQUET


FOOTBALL DRILLS


VOLLEYBALL


FRISBEE


FUTSAL


LAWN BOWLING


DODGE BALL


FLAG FOOTBALL


SOCCER DRILLS

MULTI-PURPOSE LAWN ACTIVITIES

VAN DORN ABED
LANDSCAPE ARCHITECTS, INC.
81 14TH STREET, SAN FRANCISCO, CA
ZIP 94103 PH (415) 864-1521 FAX (415) 864-0796

TRUMARK HOMES
COLLIER CANYON ROAD
LIVERMORE, CALIFORNIA

PUBLIC PARK CONCEPTUAL IMAGERY
SCALE:N/A DATE: 11/12/24

P2.2

AMENITY OPTIONS



WOOD SHADE STRUCTURE OPTION



OCATAGONAL SHADE STRUCTURE OPTION



RECTANGULAR SHADE STRUCTURE OPTION



CONCRETE TRAIL OPTION



STABILIZED DECOMPOSED GRANITE TRAIL OPTION



ASPHALT TRAIL OPTION







EXAMPLE OF WATER TREATMENT GARDENS

VAN DORN ABED
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ZIP 94103 PH (415) 864-1521 FAX (415) 864-0796

TRUMARK HOMES
COLLIER
CANYON ROAD
LIVERMORE, CALIFORNIA

PUBLIC PARK CONCEPTUAL IMAGERY
SCALE:N/A DATE: 11/12/24

P2.3

STATE OF CALIFORNIA - BUSINESS, CONSUMER SERVICES AND HOUSING AGENCY GAVIN NEWSOM, Governor

DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF HOUSING POLICY DEVELOPMENT
2020 W. El Camino Avenue, Suite 500
Sacramento, CA 95833
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October 2, 2019

MEMORANDUM FOR: Planning Directors and Interested Parties

FROM: Zachary Olmstead, Deputy Director
Division of Housing Policy Development

SUBJECT: **No Net Loss Law**
Government Code Section 65863

The purpose of Government Code Section 65863 (No Net Loss Law), is to ensure development opportunities remain available throughout the planning period to accommodate a jurisdiction's regional housing need allocation (RHNA), especially for lower- and moderate- income households. This memorandum provides guidance on the implementation of Government Code section 65863, including amendments pursuant to Chapter 367, Statutes of 2017 (Senate Bill 166).

Summary of No Net Loss Requirements

- A jurisdiction must maintain adequate sites to accommodate its remaining unmet RHNA by each income category at all times throughout the entire planning period.

- A jurisdiction may not take any action to reduce a parcel's residential density unless it makes findings that the remaining sites identified in its Housing Element sites inventory can accommodate the jurisdiction's remaining unmet RHNA by each income category, or if it identifies additional sites so that there is no net loss of residential unit capacity.

- If a jurisdiction approves a development of a parcel identified in its Housing Element sites inventory with fewer units than shown in the Housing Element, it must either make findings that the Housing Element's remaining sites have sufficient capacity to accommodate the remaining unmet RHNA by each income level, or identify and make available sufficient sites to accommodate the remaining unmet RHNA for each income category.

- A jurisdiction may not disapprove a housing project on the basis that approval of the development would trigger the identification or zoning of additional adequate sites to accommodate the remaining RHNA.

If you have any questions, or would like additional information or technical assistance, please contact the Division of Housing Policy Development at (916) 263-2911.

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Background

Since 1969, California has required that all jurisdictions (cities and counties) adequately plan to meet the housing needs of everyone in the community. California's local governments meet this requirement by adopting Housing Elements as part of their general plan. To demonstrate the availability of land to accommodate future housing development, a Housing Element is required to include an inventory of housing sites, or "adequate sites", with sufficient capacity by income level to accommodate a jurisdiction's RHNA by income category. (Gov. Code, § 65583, subd. (a)(3).)

Example: RHNA By Income Category	
Very Low Income	300 Units
Low Income	260 Units
Moderate Income	250 Units
Above Moderate Income	650 Units
Total RHNA	1,460 Units

To expand the supply of housing, including affordable housing, and to ensure jurisdictions do not take actions to reduce the potential capacity for new development, the Legislature adopted the No Net Loss Law in 2002. The No Net Loss Law ensures that a jurisdiction maintains a sufficient supply of adequate sites in the Housing Element sites inventory throughout the RHNA planning period. This law was amended by Chapter 367, Statutes of 2017 (Senate Bill 166), which requires sufficient adequate sites to be available at all times to meet a jurisdiction's remaining unmet housing needs for each income category. To comply with the No Net Loss Law, as jurisdictions make decisions regarding zoning and land use, or development occurs, jurisdictions must assess their ability to accommodate new housing on the remaining sites in their Housing Element site inventories. A jurisdiction must add adequate sites if land use decisions or development results in a shortfall of sufficient sites to accommodate its remaining housing need for each income category.

What is an adequate site?

Pursuant to Government Code section 65583.2, an adequate site must be available and suitable to accommodate development. Factors include:

- Have infrastructure available or planned to support a housing development.
- Be available to be developed in the planning period. For non-vacant sites, this means that the existing use is not an impediment to additional residential development.
- Be appropriately sized (larger than half an acre and smaller than 10 acres) to accommodate lower income housing.
- For sites accommodating lower income households, the sites must have appropriate zoning as demonstrated by analysis, or by meeting prescribed densities.
- Identify the number of units (capacity) that can be realistically accommodated on the site.

For more information, visit the Department's Housing Element Building Block Webpage.

No Net Loss Law and Charter Cities

Pursuant to Chapter 856, Statutes of 2018 (Senate Bill 1333), the No Net Loss Law applies to all jurisdictions, including charter cities. This requirement was effective on January 1, 2019, and applies to the current and subsequent Housing Element planning periods.

Responsibilities and Requirements Under No Net Loss Law

No Net Loss Law can be divided into three statutory areas of responsibility for jurisdictions to consider when making land-use decisions related to sites and capacity identified in the Housing Element to accommodate the RHNA:

- Maintaining Sites (Government Code section 65863(a))
- Jurisdiction Actions Relating to Zoning (Government Code section 65863(b)(1))
- Approval of Development at a Lower Density (Government Code section 65863(b)(2))

Maintaining Sites

A jurisdiction must ensure their Housing Element sites inventory continues to have capacity at all times to accommodate the RHNA by income group throughout the planning period. This requires a careful accounting of development on the sites identified in the Housing Element and residential projects throughout the jurisdiction. Action by the jurisdiction to modify development standards in a way that would result in a lower density, limit or stop development on sites identified in the inventory, exchange sites in the inventory, or downzone sites would trigger No Net Loss unless the jurisdiction can make the required findings or identify alternative sites.

If, at any time during the planning period, the jurisdiction finds that there is a shortfall of sites to accommodate its remaining RHNA, the jurisdiction must take immediate action to correct the shortfall by amending its Housing Element sites inventory to either include sites previously unidentified with capacity to accommodate the shortfall, or sites that have been rezoned to correct for the shortfall. Failure to do so constitutes a violation of the No Net Loss law. Please note, Housing Element law requires the element to identify sufficient adequate sites to accommodate the RHNA for all income levels. However, many jurisdictions choose to include sites in their Housing Element inventory above and beyond what is required to accommodate RHNA, including sites that are not considered suitable to accommodate RHNA for lower-income households (e.g., sites less than one-half acre or larger than 10 acres). When making findings that the Housing Element continues to accommodate the remaining RHNA, jurisdictions should only consider capacity of sites in the inventory that was determined adequate. Jurisdictions should not consider inadequate or unsuitable sites as adequate or available to accommodate RHNA for the purposes of No Net Loss Law.

The lack of sites to accommodate the jurisdiction's RHNA represents a fundamental alteration to the jurisdiction's ability to meet Housing Element Law. Therefore, the amended inventory must (1) demonstrate sites to address the shortfall meet the adequate site requirements of Housing Element Law, pursuant to Government Code section 65585(b), and (2) be submitted to the California Department of Housing and Community Development (Department) for review to ensure compliance with state Housing Element Law. (Cal. Gov't Code §65580 et seq.) (Housing Element Law).

Helpful Hints

To ensure that sufficient capacity exists in the Housing Element to accommodate the RHNA throughout the planning period, create a buffer in the Housing Element inventory of at least 15 to 30 percent more capacity than required, especially for capacity to accommodate the lower-income RHNA. Jurisdictions can also create a buffer by projecting capacity less than what is allowed from the maximum density to allow for some reductions in density, or rezoning additional sites above what is needed to accommodate the RHNA.

Jurisdictions should keep an updated accounting of development on the sites in the inventory and throughout the jurisdiction to ascertain the impact that development has on accommodating the remaining RHNA. This can be done in any number of ways, but an example of one methodology can be found in the Resources section below, in addition to a program committing to such an update in the Housing Element.

Decisions to Carefully Consider – Development Limitations

No Net Loss Law explicitly states that at no time may a jurisdiction take an action to permit or cause the sites inventory to be insufficient to meet its remaining RHNA without triggering the statute. The only exception is the 180-day timeframe for replacing capacity from the approval of a development at a lower density that results in a shortfall of sites to accommodate the RHNA (see page 8.) Therefore, a jurisdiction should carefully consider the introduction or adoption of development limitations (e.g., development standard limitations, policies or ordinances that affect the development potential of a site, development moratorium). A jurisdiction should carefully examine the effect of these types of actions on development capacity and consult with their legal counsel prior to approval.

Zoning and Development Standard Modifications – Changes in development standards may affect the potential capacity of a site. For example, an increase in parking requirements, reductions in height limitations or lot coverage, new design requirements, or modifications to set-back requirements, all impact the buildable area of a site and could reduce the housing unit potential. Zoning and development standard modifications should be carefully considered to ensure that they do not impact the potential capacity of a site in a jurisdiction's inventory.

Growth Control Ordinances – If a jurisdiction considers adoption of an ordinance or other measure that limits growth or development potential through unit or population caps, or limits where development can occur through the use of buffers, or by phasing development, it must consider the statewide shortage of housing and the requirements of No Net Loss Law. The adoption of one or more of these types of ordinances could prevent a jurisdiction from accommodating its RHNA either by affecting a site in the inventory, or by limiting development as a whole. Proposed growth limiting ordinances should be prudently drafted so as not to impact the accommodation of the remaining RHNA throughout the planning period. Otherwise, implementation of the ordinance may violate No Net Loss Law.

How do growth control ordinances relate to the RHNA?

Government Code section 65302.8 requires findings be made to ensure that a jurisdiction can continue to fulfill requirements of Housing Element Law, including the accommodation of the RHNA. Findings include a description of the following:

- The jurisdiction's RHNA.
- The specific housing programs and activities being undertaken by the jurisdiction to achieve RHNA objectives.
- How the public health, safety, and welfare would be promoted.
- Fiscal and environmental resources available to the local jurisdiction.

Moratoriums – Pursuant to Government Code section 65858, jurisdictions may adopt a 45-day interim ordinance prohibiting any uses, including housing, that may be in conflict with a contemplated general plan, specific plan, or zoning proposal. This applies to a general plan, specific plan, or zoning proposal that the legislative body, planning commission or the planning department is considering, studying, or intends to study within a reasonable time. While the ordinance may be extended for other uses, a moratorium on the development of multifamily housing cannot be extended unless specific findings are made. In addition, regardless of its duration, a moratorium that affects sites in the Housing Element inventory may be in conflict with the No Net Loss Law, as the law requires a jurisdiction to maintain capacity at all times to accommodate the RHNA. A jurisdiction should consult counsel prior to enacting a moratorium on housing.

Jurisdiction Actions

Jurisdiction actions include downzoning or other actions taken by a jurisdiction to reduce a parcel's allowable residential density. This can be done through a change in zoning or an imposition of density limitations that preclude that ability to achieve densities assumed in the Housing Element sites inventory. If the parcel to be downzoned is identified in the Housing Element, a jurisdiction must make written findings, supported by substantial evidence, that:

- The reduction is consistent with the jurisdiction's adopted general plan, including the Housing Element. For example, this finding could be made if downzone does not change the land use and zoning designation.

- The remaining sites identified in the Housing Element are adequate to meet the requirements of Section 65583.2 and to accommodate the jurisdiction's remaining share of the RHNA for the planning period. The finding must include a quantification of the remaining unmet need for the jurisdiction's RHNA at each income level and the remaining capacity of sites identified in the Housing Element to accommodate that need by income level.

If a jurisdiction cannot make these findings, it may take action to reduce the residential density of a parcel only if it identifies or rezones additional sufficient adequate sites with an equal or greater residential density in the jurisdiction so that there is sufficient residential unit capacity appropriate to accommodate the RHNA by income level. Actions to identify additional sites or rezone must occur before or concurrently with any action or approval to reduce a parcel's density. Sites identified or rezoned must meet the following criteria:

- Must be considered an adequate site pursuant to the requirements of Government Code section 65583.2.
- If the capacity to be replaced was on a site that was zoned by-right pursuant to Government Code section 65863.2 (h) and (i), then the replacement site must also satisfy those requirements.

As these actions taken by the jurisdiction represent a fundamental alteration to the Housing Element, the Housing Element sites inventory must then be amended and, pursuant to Government Code section 65585(b), be submitted to the Department for review to ensure the compliance with state Housing Element Law, prior to, or concurrently with, any action or approval to reduce a parcel's density.

Helpful Hints

If unsure as to whether new sites identified or rezoned will meet Housing Element adequate sites requirements, contact the Department's Housing Policy Division for a Housing Element reviewer to provide technical guidance.

Rezoned sites may include sites previously identified in the sites inventory that are rezoned to a higher density zoning designation than identified in the sites inventory.

Decisions to Carefully Consider – Changes to Zoning

General Plan Updates – Sometimes land use inconsistencies arise during a general plan update when undertaken separately from the Housing Element. A jurisdiction updating the land use element of the general plan must consider the sites inventory of the Housing Element. If sites identified in the Housing Element site's inventory will be downzoned as part of the general plan update, other sites must be identified or rezoned to accommodate the resulting shortfall of capacity. Under state law, the land use element must be consistent with the Housing Element, and if the land use element does not permit the density in the Housing Element, the Housing Element or land use element must be amended to achieve consistency.

Approval of Development at a Lower Density

A jurisdiction must make written findings or identify additional site capacity if a development is allowed with a lower density than what was assumed in the sites inventory of the Housing Element. A lower residential density sometimes results from a jurisdiction either approving a development with residential units less than what was assumed for the site or affordable to a different income category than the site was assumed to accommodate. Lower residential density could also result from another use, such as commercial being approved on a site identified in the inventory for housing regardless of what the zoning allows.

What constitutes a "lower-density"?

For jurisdictions with an adopted Housing Element found in compliance with Housing Element Law:

- Fewer units will be developed on the site than projected in the sites inventory (capacity) or program of the Housing Element.

For jurisdictions out of compliance with Housing Element Law:

- A density that is lower than 80 percent of the maximum allowable residential density for that parcel, or 80 percent of the maximum density required by Government Code section 65583.2(c)(3), whichever is greater. For more information on default densities, please see the Department's Building Block website.

At the time of approval, the following written findings must be made, and supported by substantial evidence in the record:

- Remaining sites identified in the Housing Element are adequate to meet the jurisdiction's remaining RHNA for the planning period by income category.
- The findings should include a quantification of the remaining unmet need for the jurisdiction's RHNA at each income level and the remaining capacity of sites identified in the Housing Element, to accommodate that need by income level.

If the approval of a development at a lower residential density results in the remaining sites capacity becoming inadequate to accommodate the RHNA by income category, a jurisdiction has up to 180 days from the approval to identify, or rezone, "sufficient additional, adequate, and available sites" to accommodate the remaining RHNA for each income category. Sites identified or rezoned must meet the following criteria:

- Must be considered an adequate site pursuant to the requirements of Government Code section 65583.2.
- If the capacity to be replaced was on a site that was zoned by-right pursuant to Government Code section 65863.2 (h) and (i), then the replacement site must also satisfy those requirements.

A jurisdiction must report in the jurisdiction's Annual Progress Report (APR) any sites that have been identified or rezoned to accommodate the resulting shortfall due to the approval of a development at a lower density. APRs are required to be sent to the Department by all jurisdictions by April 1, pursuant to Government Code section 65400. For more information on completing this section of the APR, see the Department Webpage and select "Annual Progress Reports."

Who makes the findings?

The body that "takes action or approves" the jurisdiction action to reduce a parcel's density or approve a development at a lower density would make the findings. For example, if a zoning administrator approves a development at a lower density, as part of the approval, the administrator would include the appropriate findings. For instance, if the development approval is ministerial under the Streamlined Ministerial Approval Process (SB 35, 2017), the findings should be included as part of the plan review and approval. If the City Council is approving a zone change, it must include the findings in the resolution adopting the zone change.

Helpful Hints

The jurisdiction has only 180 days to complete any rezoning needed to accommodate a shortfall of adequate sites to accommodate the RHNA due to the approval of a development at a lower density. To ensure the rezones can be completed on time, it is recommended that the jurisdiction begin the rezone process early in the development application approval process.

Jurisdictions may post the sites inventory on their website with the capacity estimates from the Housing Element for developers to reference when considering projects on sites identified in the Housing Element.

Decisions to Carefully Consider – Development Approval

Jurisdictions out of compliance with state Housing Element Law - No Net Loss Law provisions related to approving a lower density development applies to all jurisdictions regardless of Housing Element compliance status. A jurisdiction that has not adopted a Housing Element within 90 days of the due date, or has a Housing Element out of compliance, must still comply with No Net Loss requirements, even though they may not have a Housing Element Law compliant sites inventory. If the jurisdiction does not have a current sites inventory to compare the project unit count, the determination of lower density would be required for all new housing development.

Denying an application - A jurisdiction may not deny a housing development application on the basis that approval of the development would trigger the identification, or zoning, of additional adequate sites to accommodate the remaining RHNA.

However, since the term “housing development” is used in the statute, it does not prevent a jurisdiction from denying a non-residential development on an identified site if it would trigger the identification, or rezoning, of additional adequate sites.

Requests for developer assistance with complying with No Net Loss Law – While the jurisdiction is solely responsible for compliance with No Net Loss Law, under limited circumstances the statute does allow a jurisdiction the option to require the applicant to assist the jurisdiction in meeting these provisions. Specifically, requests can be made if an applicant’s initial development application requests a residential density that results in the remaining sites in the sites inventory being insufficient to accommodate it remaining RHNA. A jurisdiction cannot require developer assistance if the subsequent approval process results in a reduction of units.

Types of assistance required could include help with the identification of additional sites for potential rezones or community outreach. However, requests should be balanced with the potential impact on the overall viability of the project. Overly burdensome requirements may make a development project financially infeasible and could, in effect, constitute a denial of the project or may violate the Housing Accountability Act (Government Code section 65589.5.)

California Environment Quality Act (CEQA)

The act of identifying or making available additional adequate sites, in and of itself, to comply with the statutory requirements to accommodate the remaining unmet RHNA, does not trigger a CEQA review. However, if making available additional adequate sites requires an increase in density, a rezone, or other actions that constitute a “project” under CEQA, a CEQA analysis would be required.

When approving a site at a lower residential density, the possibility of a CEQA analysis should be considered since the CEQA review must be completed within the 180-day timeline to identify and rezone additional, adequate sites to accommodate the remaining RHNA by income category. The failure to complete a timely CEQA analysis would render the additional sites inadequate to accommodate the remaining unmet RHNA. This would be a violation of No Net Loss Law and could also render the Housing Element out of compliance with state Housing Element Law.

Failure to Comply with No Net Loss Law

In addition to violating of the No Net Loss Law, the failure to ensure that there are sufficient adequate sites to accommodate the unmet RHNA by income category throughout the entire planning period is also a violation of the Housing Element Law. This is because the Housing Element will also fail to identify adequate sites to accommodate the RHNA by income category. As a result, pursuant to Government Code section 65585 (i) and (j), the Department may revoke a jurisdiction’s Housing Element compliance and/or refer the violation to the Attorney General. In addition, a third party may file an action to challenge the jurisdiction in court.

Resources

Identifying Your Remaining RHNA and Maintaining Capacity

A jurisdiction should implement an ongoing, project-by-project evaluation of each approved residential development to ensure that sufficient adequate site capacity is available to accommodate the remaining RHNA by income category throughout the planning period. This evaluation could also be used to complete the APR required to be sent to the Department by April 1 of each year.

The evaluation procedure could utilize a spreadsheet or tool, such as the No Net Loss Capacity Calculation Tool below, to subtract the number of residential units in each approved development from the RHNA to determine the remaining unmet RHNA by income category. The total number of approved units by income category could then be subtracted from the Housing Element's sites inventory site capacity by income category to determine the remaining site capacity.

No Net Loss Capacity Calculation Tool Example

Step 1: Determine remaining RHNA

- Identify the reported RHNA from permitted projects as reported in the Housing Element Annual Progress Report (Table B of the Annual Progress Report). If the jurisdiction has not yet completed those reports for the planning period, please go to the Departments Webpage and select "Annual Progress Reports."
- Identify any projects from the planning period that have received their approvals/entitlements and are anticipated to pull their building permits.
- Identify the number of units permitted or that have been approved/entitled in the current reporting year (including accessory dwelling units and other alternatives under Government Code section 65583.1.)
- Calculate the remaining RHNA to date.
- If determining potential No Net Loss capacity of a proposed development, subtract the units from the proposed development to get the remaining RHNA resulting from the proposed project.

Example:
City A has an application for a market rate project for 75 high-end multifamily apartments. This project is being proposed on a site identified in the inventory as having the ability to accommodate a portion of its very low- and low-income RHNA.

Table A: Remaining RHNA

	Very Low-Income	Low-Income	Moderate-Income	Above Moderate-Income
RHNA	300	260	250	650
Year	Reported Progress			
2014	-5	-15	-2	-50
2015			-5	-100
2016	-25	-25	-20	-60
2017				-250
2018	-15	-60	-25	-75
Project Name/APN	Projects approved/entitled anticipated to pull permits			
Siempre Verde 001-256-2154, -57				-4
Project Name/APN	Current Year Progress			
Hightop Condos 001-256-5574		-7		-75
Sunflower Apt 001-256-4475	-25	-50		
	Remaining RHNA To Date			
	230	103	198	36
Project Name/APN	Proposed Project RHNA			
Magnolia Luxury Apt 001-256-4472				-75
Remaining RHNA with Proposed Development				
	230	103	198	0

Step 2: Determine remaining capacity from the Housing Element sites inventory*

- Identify the total site capacity from the Housing Element by income category.
- List the capacity estimated in the Housing Element for an accessory dwelling unit (ADU), or other alternative site capacity methodology.
- List the capacity by income category as identified in the Housing Element inventory for each site identified in the inventory that has an approved/entitled or permitted project in the planning period (identified in the previous table).

Some projects will be developed on sites not identified in the Housing Element. These sites should not be included in the table below, as their capacity was not anticipated to accommodate a portion of the RHNA. They are included in the previous calculation to determine the remaining RHNA. As a result, the additional capacity from these projects can help mitigate loss in capacity from other projects, depending on their affordability.

- For each site rezoned that was identified in the Housing Element (but does not include a project per above) identify the adjusted capacity by income as result of the zone change.
- Calculate the remaining available capacity.
- Subtract the capacity identified in the inventory for the proposed development or rezone to calculate the remaining capacity in the sites inventory by income level.

Example Continued:

Table B: Remaining Capacity*

	Very Low-Income	Low-Income	Moderate-Income	Above Moderate-Income
Capacity from sites	325	370	260	800
Capacity from ADU or other alternative site capacity methodology	15	10		
Project Name/APN	Sites Inventory RHNA from Approved/Entitled or Permitted Project			
001-256-4758- 868				-160
001-256-5631	-25	-25		
001-256-5270 - 330				-60
Dell Webb Master Plan				-250
002-40526-7785	-50	-75		
002 -526 -7788			-15	
001-256-5575	-25	-155		
APN	Capacity changes due to rezone			
003-578-7584 (downzone to open space)			-30	
	Remaining Sites Inventory Capacity to Date			
	240	125	215	330
APN	Sites Inventory Capacity from Development or Rezone			
Magnolia Luxury Apt 001-256-4472		-75		
Remaining Sites Inventory Capacity with Proposed Development or Rezone				
	240	50	215	330

* Note: For most 5th cycle Housing Elements, jurisdictions will need to make assumptions on capacity by income category based on density and the analysis provided in the Housing Element, since the 5th cycle sites are not required to be identified by income category. However, for the 6th and subsequent cycles, sites will be required to identify capacity by income level. Some jurisdictions have chosen to combine low and very low- income RHNA for purposes of calculating site capacity, which should be reflected in supporting charts.

Step 3: Compare remaining RHNA with remaining sites inventory to determine if additional capacity will be needed.

- Input the remaining RHNA from Table A. (If this calculation is due to a proposed development, enter the remaining RHNA from the line “Remaining RHNA with Proposed Development”.)
- Input the remaining sites inventory capacity with a proposed development or rezone.
- Calculate the No Net Loss potential by subtracting the available capacity from the remaining RHNA. If the result is negative, there is a net loss in capacity, and the difference must be accommodated pursuant to No Net Loss Law.

Example:
Approval of the Magnolia Luxury Apartments would result in a net capacity loss of 53 units. City A would have to rezone or identify additional capacity for at least 53 low-income units.

Table C: No Net Loss Calculation

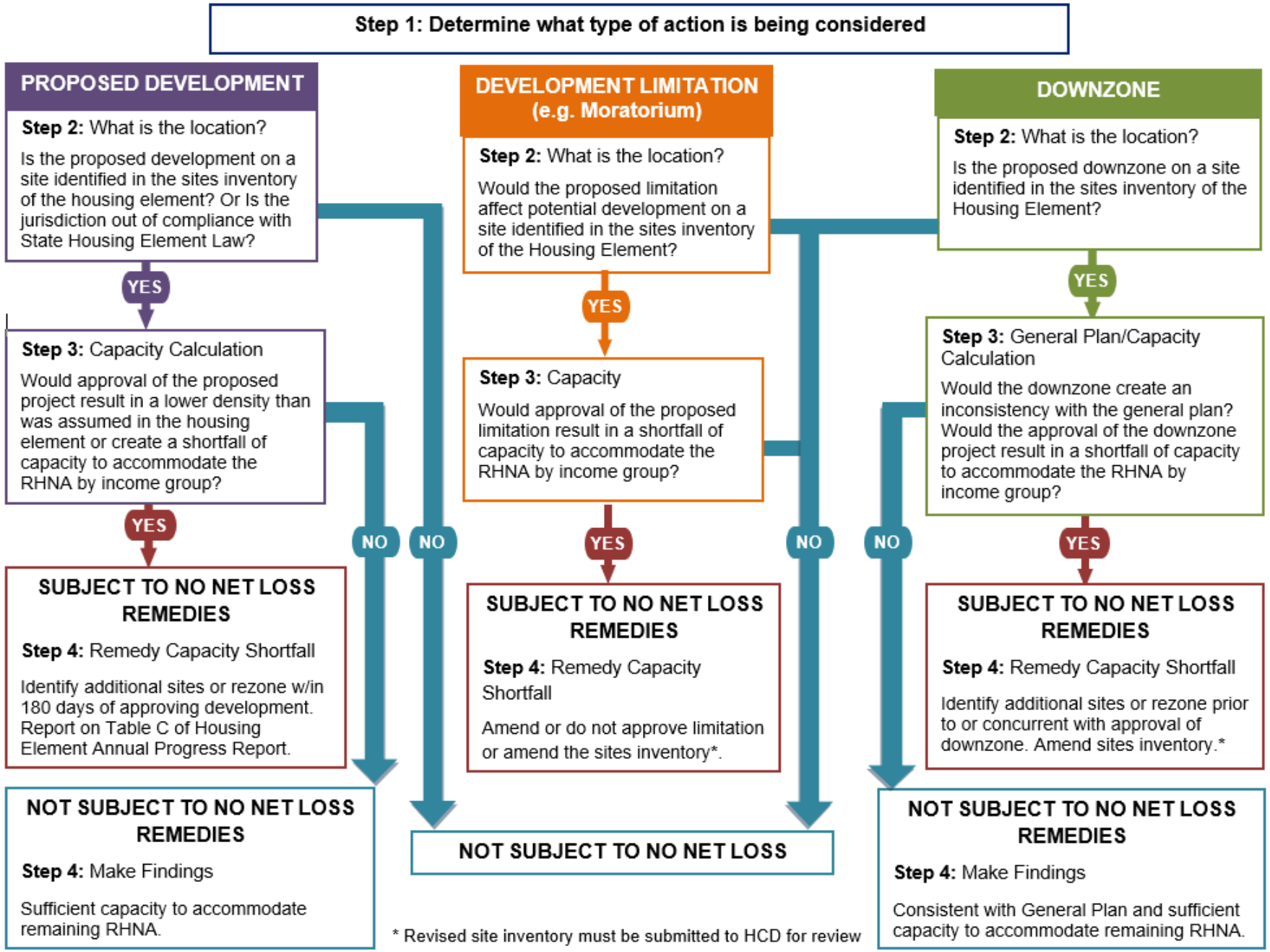
	Very Low-Income	Low-Income	Moderate-Income	Above Moderate-Income
Remaining Capacity (Table B)	240	50	215	330
Remaining RHNA (Table A)	230	103	198	0
No Net Loss Calculation	+10	-53	+17	+330

Please note: There may be many unique circumstances that do not fall neatly into the above example. This calculation tool is meant to be a framework to help jurisdictions think about the best way to identify potential No Net Loss situations.

No Net Loss Law Decision Flow Chart

The following flow chart is intended to help visualize how to determine if a project or a decision would be subject to No Net Loss Law and its remedies. Jurisdictions should consult with legal counsel prior to final determination on whether a project or decision triggers No Net Loss requirements.

No Net Loss Law Decision Flow Chart



Sample Housing Element Program

Sample Program: No Net Loss of Residential Capacity to Accommodate the RHNA by Income Category (Government Code section 65863)

To ensure sufficient residential capacity is maintained to accommodate the RHNA for each income category, within one year of adoption of the Housing Element, develop and implement a formal, ongoing (project-by-project) evaluation procedure pursuant to Government Code section 65863. The evaluation procedure will track the number of extremely low-, very low-, low-, moderate-, and above moderate-income units constructed to calculate the remaining unmet RHNA. The evaluation procedure will also track the number of units built on the identified sites to determine the remaining site capacity by income category and will be updated continuously as developments are approved.

No action can be taken to reduce the density or capacity of a site (e.g., downzone, moratorium), unless other additional adequate sites are identified prior to reducing site density or capacity.

If a development is being approved on an identified site at a lower density than what was assumed for that site identified in the Housing Element, additional adequate sites must be made available within 180 days of approving the development. A program to identify the replacement sites, and take the necessary actions to make the site(s) available and ensure they are adequate sites, will be adopted prior to, or at the time of, the approval of the development.

Time Frame: Within six months of adoption of the Housing Element, develop and implement a formal ongoing evaluation procedure pursuant to Government Code section 65863.

Subsequent to adopting an evaluation procedure, monitor rezones and development of residential units, and update Housing Element sites inventory. Housing Element sites inventory is posted on the Planning Department’s website and will be updated at least once a year.

At least annually, update the sites inventory in conjunction with Housing Element Annual Reports pursuant to Government Code section 65400, as necessary.

Responsibility: Community Development Department

Funding Source: General Fund

No Net Loss Law Statute (Government Code Section 65863)

65863.
(a) Each city, county, or city and county shall ensure that its housing element inventory described in paragraph (3) of subdivision (a) of Section 65583 or its housing element program to make sites available pursuant to paragraph (1) of subdivision (c) of Section 65583 can accommodate, at all times throughout the planning period, its remaining unmet share of the regional housing need allocated pursuant to Section 65584, except as provided in paragraph (2) of subdivision (c). At no time, except as provided in paragraph (2) of subdivision (c), shall a city, county, or city and county by administrative, quasi-judicial, legislative, or other action permit or cause its inventory of sites identified in the housing element to be insufficient to meet its remaining unmet share of the regional housing need for lower and moderate-income households.

(b) (1) No city, county, or city and county shall, by administrative, quasi-judicial, legislative, or other action, reduce, or require or permit the reduction of, the residential density for any parcel to, or allow development of any parcel at, a lower residential density, as defined in paragraphs (1) and (2) of subdivision (g), unless the city, county, or city and county makes written findings supported by substantial evidence of both of the following:

(A) The reduction is consistent with the adopted general plan, including the housing element.

(B) The remaining sites identified in the housing element are adequate to meet the requirements of Section 65583.2 and to accommodate the jurisdiction's share of the regional housing need pursuant to Section 65584. The finding shall include a quantification of the remaining unmet need for the jurisdiction's share of the regional housing need at each income level and the remaining capacity of sites identified in the housing element to accommodate that need by income level.

(2) If a city, county, or city and county, by administrative, quasi-judicial, legislative, or other action, allows development of any parcel with fewer units by income category than identified in the jurisdiction's housing element for that parcel, the city, county, or city and county shall make a written finding supported by substantial evidence as to whether or not remaining sites identified in the housing element are adequate to meet the requirements of Section 65583.2 and to accommodate the jurisdiction's share of the regional housing need pursuant to Section 65584. The finding shall include a quantification of the remaining unmet need for the jurisdiction's share of the regional housing need at each income level and the remaining capacity of sites identified in the housing element to accommodate that need by income level.

(c) (1) If a reduction in residential density for any parcel would result in the remaining sites in the housing element not being adequate to meet the requirements of Section 65583.2 and to accommodate the jurisdiction's share of the regional housing need pursuant to Section 65584, the jurisdiction may reduce the density on that parcel if it identifies sufficient additional, adequate, and available sites with an equal or greater residential density in the jurisdiction so that there is no net loss of residential unit capacity.

(2) If the approval of a development project results in fewer units by income category than identified in the jurisdiction's housing element for that parcel and the jurisdiction does not find that the remaining sites in the housing element are adequate to accommodate the jurisdiction's share of the regional housing need by income level, the jurisdiction shall within 180 days identify and make available additional adequate sites to accommodate the jurisdiction's share of the regional housing need by income level. Nothing in this section shall authorize a city, county, or city and county to disapprove a housing development project on the basis that approval of the housing project would require compliance with this paragraph.

(d) The requirements of this section shall be in addition to any other law that may restrict or limit the reduction of residential density.

(e) This section requires that a city, county, or city and county be solely responsible for compliance with this section, unless a project applicant requests in his or her initial application, as submitted, a density that would result in the remaining sites in the housing element not being adequate to accommodate the jurisdiction's share of the regional housing need pursuant to Section 65584. In that case, the city, county, or city and county may require the project applicant to comply with this section. The submission of an application for purposes of this subdivision does not depend on the application being deemed complete or being accepted by the city, county, or city and county.

(f) This section shall not be construed to apply to parcels that, prior to January 1, 2003, were either (1) subject to a development agreement, or (2) parcels for which an application for a subdivision map had been submitted.

(g) (1) If the local jurisdiction has adopted a housing element for the current planning period that is in substantial compliance with Article 10.6 (commencing with Section 65580) of Chapter 3, for purposes of this section, "lower residential density" means the following:

(A) For sites on which the zoning designation permits residential use and that are identified in the local jurisdiction's housing element inventory described in paragraph (3) of subdivision (a) of Section 65583, fewer units on the site than were projected by the jurisdiction to be accommodated on the site pursuant to subdivision (c) of Section 65583.2.

(B) For sites that have been or will be rezoned pursuant to the local jurisdiction's housing element program described in paragraph (1) of subdivision (c) of Section 65583, fewer units for the site than were projected to be developed on the site in the housing element program.

(2) (A) If the local jurisdiction has not adopted a housing element for the current planning period within 90 days of the deadline established by Section 65588 or the adopted housing element is not in substantial compliance with Article 10.6 (commencing with Section 65580) of Chapter 3 within 180 days of the deadline established by Section 65588, "lower residential density" means any of the following:

(i) For residentially zoned sites, a density that is lower than 80 percent of the maximum allowable residential density for that parcel or 80 percent of the maximum density required by paragraph (3) of subdivision (c) of Section 65583.2, whichever is greater.

(ii) For sites on which residential and nonresidential uses are permitted, a use that would result in the development of fewer than 80 percent of the number of residential units that would be allowed under the maximum residential density for the site parcel or 80 percent of the maximum density required by paragraph (3) of subdivision (c) of Section 65583.2, whichever is greater.

(B) If the council of governments fails to complete a final housing need allocation pursuant to the deadlines established by Section 65584.05, then for purposes of this paragraph, the deadline pursuant to Section 65588 shall be extended by a time period equal to the number of days of delay incurred by the council of governments in completing the final housing need allocation.

(h) An action that obligates a jurisdiction to identify and make available additional adequate sites for residential development pursuant to this section creates no obligation under the California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) to identify, analyze, or mitigate the environmental impacts of that subsequent action to identify and make available additional adequate sites as a reasonably foreseeable consequence of that action. Nothing in this subdivision shall be construed as a determination as to whether or not the subsequent action by a city, county, or city and county to identify and make available additional

adequate sites is a “project” for purposes of the California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code).

(i) Notwithstanding Section 65803, this section shall also apply to a charter city.

LIVERMORE
CALIFORNIA

PLANNING COMMISSION
December 17, 2024

REGULAR MEETING

1. CALL TO ORDER – The meeting of the Planning Commission was called to order by Chairperson Jacob Anderson at 7:00 pm, held in person at 1016 S. Livermore Avenue.

ROLL CALL – Present: Chairperson Anderson, Vice-Chairperson Yolanda Fintschenko, Commissioner Daniel Leary, Commissioner Tracy Kronzak.

PLEDGE OF ALLEGIANCE

2. OPEN FORUM

Chairperson Anderson opened and closed the public comment period.

3. CONSENT CALENDAR - NONE

4. PROJECT REVIEW - NONE

5. PUBLIC HEARINGS

5.1 **THE PREVIOUSLY NOTICED ITEM HAS BEEN CONTINUED TO THE JANUARY 7, 2025, PLANNING COMMISSION MEETING.**
Hearing to consider a request for a Municipal Code Amendment, Development Code Amendment, Conditional Use Permit Modification, Development Agreement, Site Plan Design Review, and Site Plan Design Review Modification for the Parkwest Casino 580 Expansion Project.

5.2 Hearing to consider a request for Vesting Tentative Tract Map, Site Plan Design Review, Conditional Use Permit, and Consistency Determination to develop vacant land located at the northwest corner of the Collier Canyon Road and Constitution Drive intersection, with a residential project known as Cornerstone.

Recommendation:
Staff recommends the Planning Commission adopt Resolutions:

1. Approving Consistency Determination (CD) 24-010;
2. Recommending the City Council adopt a resolution finding that the project is exempt under the California Environmental Quality Act, in accordance with California Government Code Section 65457 and CEQA

Guidelines Section 15182 (c), Projects Pursuant to a Specific Plan, and CEQA Section 21083.3 and CEQA Guidelines Section 15183, Projects Consistent with a Community Plan, General Plan, or Zoning;

3. Recommending the City Council adopt a resolution approving Vesting Tentative Tract Map (VTTM) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, together with the requested Density Bonus waivers and concessions, and Conditional Use Permit (CUP) 24-009, subject to the attached Conditions of Approval;
4. Recommending the City Council direct the Planning Manager to file a Notice of Exemption, in accordance with the provisions of the California Environmental Quality Act, subject to project approval.

Assistant Planner Emily LaDue presented the staff report.

Chairperson Anderson opened the public comment period.

Chris Stockhouse, representing Cornerstone and the landowner, explained the purpose and mission of the church to give back to the community and proposal to build affordable housing.

Michael Keaney, Director of Forward Planning, Trumark Homes, presented an overview of the proposed project including exceedance of required affordable units; completion of infrastructure; and collaboration with Pacific Companies.

Caleb Roope, Pacific Companies, discussed their experience in affordable housing developments and work on other projects with Trumark; and expressed excitement about the project.

In response to Commissioner Kronzak, Assistant Planner LaDue explained the buffer between development and the riparian basin; confirmed no need to redesignate housing sites in the City's housing sites inventory and the units for this project can be included in RHNA Cycle 6.

Chairperson Anderson opened the public comment period.

Brandon Evans, IBW Local 595, requested use of local construction workforces.

Chairperson Anderson closed the public comment period.

Commissioner Leary suggested relocating and reducing the bioretention area; consideration of the location of the bus stop in relation to the pedestrian corridor and bridge; and ensuring appropriate easements for the bridge. He pointed out the requirement to plant trees and charging stations; and commended the developer on the contribution of affordable units above the requirements.

Commissioner Kronzak requested the use of California native trees. In response to Commissioner Kronzak, Assistant Planner LaDue explained the CUP is required due to the project's distance from the creek.

In response to Vice Chair Fintschenko, Assistant Planner LaDue explained podium parking. Planning Manager Riley discussed the findings for the conditional use permit for grading near the creek.

In response to Chair Anderson, Mr. Roope explained the courtyard and outdoor spaces; proposed outdoor space; and bike storage and elevators accommodating bikes. Chair Anderson confirmed the units would be non-smoking and suggested consideration of tying bike parking to density. In response to Chair Anderson, Assistant Planner LaDue explained street design including street parking and bike lanes. Chair Anderson requested shortening of crosswalk distance at Collier Canyon Road and Gateway Avenue, and inclusion of at least pedestrian directional ramps.

Commissioner Kronzak summarized the briefings provided to the Commissioners.

ON THE MOTION OF COMMISSIONER KRONZAK, SECONDED BY COMMISSIONER FINTSCHENKO AND CARRIED ON A 4-0 VOTE, THE PLANNING COMMISSION ADOPTED THE FOLLOWING RESOLUTIONS:

Resolution 49-24 Approving Consistency Determination (CD) 24-010 for the Cornerstone Residential Development

Resolution 50-24 Recommending the City Council find that the Cornerstone Residential Development is exempt from the provisions of the California Environmental Quality Act

Resolution 51-24 Recommending that the City Council approve Vesting Tentative Tract Map (VTTM) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, and Conditional Use Permit (CUP) 24-009, and find no net loss for the Cornerstone Development with an

RECESS
Chair Anderson called a recess at 8:00 p.m. The meeting reconvened at 8:05 p.m. with all Commissioners present.

6. MATTERS FOR CONSIDERATION

6.1 Comprehensive General Plan Update – Draft Land Use Map and Policy Topics

Recommendation:

Staff recommends the Planning Commission:

- Review and ask clarifying questions on the Draft Preferred Land
- Use Map
- Receive an overview of the Open Space and Conservation Element, Safety Element, and Noise Element

- Consider General Plan Advisory Committee (GPAC) feedback on policy options for the Open Space and Conservation, and Safety Elements
- Recommend policy updates for City Council consideration and direction

Principal Planner Andy Ross presented the staff report.

Chairperson Anderson opened the public comment period.

Mark Thompson commented on the recommendation that future parks use less grass and suggested the use of artificial turf.

Connie Kopps questioned whether -702 was supposed to be listed twice in the land use changes section. She discussed her August 2024 letter and requested additional time for public review.

Chairperson Anderson closed the public comment period.

Commissioner Kronzak confirmed that the owner at 2133 Las Positas requested the zone change from business and commercial park to medium density residential, which was anticipated to be granted; explained the lens through which the list was reviewed; and discussed the briefing on the revised land use map, which had not received much public input, other than the developer community finding it refreshing.

Commissioner Leary expressed appreciation for the public comments; agreed with the positive upgrades to the Land Use Map; support for the addition of Wine Country Commercial, and Mixed Industrial Commercial; and questioned combining Highway Serving and Community Serving Commercial. Principal Planner Ross explained the overlap of uses and areas; and confirmed that East of Greenville was paused.

In response Vice Chair Fintschenko, Principal Planner Ross indicated the issue raised by Ms. Kopps was a typographical error. Vice Chair Fintschenko confirmed that the Neighborhood Commercial designation would be more compatible with the existing land uses and indicated the proposed Land Use Designations seemed sensible.

Chair Anderson expressed enthusiasm about the new map; confirmed the City would maintain the current level of control while providing flexibility; indicated support for clarifying Service Commercial and incorporating lite industrial; and expressed appreciation for the Mixed-Use clarification.

The Commission discussed and indicated support to the changes proposed to the General Plan outline.

Vice Chair Fintschenko confirmed the intent to switch to a simpler, goal policy

model.

In response to Commissioner Kronzak, Principal Planner Ross indicated the changes proposed by the GPAC to the Open Space policies were minimal. Commissioner Kronzak indicated Policies A, F and X3 and X4 were most directionally consistent and additive to the General Plan, and the others felt like tactics rather than policies.

Commissioner Leary discussed wildlife connectivity.

Vice Chair Fintschenko reiterated the goal to secure and maintain a green belt outside the Urban Growth Boundary seemed overly prescriptive and suggested the goals not describe the required actions. She questioned whether urban separators were possible around the entire City.

Chair Anderson confirmed that the multifunctional greenbelt was proposed for the edges of the City; suggested encouraging agricultural uses for preservation; indicated support for the GPAC feedback; and suggested ensuring the urban forest was maintained.

Commissioner Kronzak indicated Policy Options B and C were closer to the spirit, but A seemed impossible to accomplish; and suggested restrooms at parks in the definition of equitable park access.

Vice Chair Fintschenko reviewed the proposed policies and GPAC suggestions, indicating support for Policy Option C, and the idea of connectivity in open space, with definitions; and suggested prescribing how to conserve water not be included in the policy.

Principal Planner Ross confirmed the Commissioner direction action and tactically oriented items were not included in the goal and policy level, to ensure the goal and policy could be used to evaluate projects objectively for consistency. He explained unfunded mandates.

The Commission discussed the Noise Element and suggested consideration of the science of urbanized noise and mental health; noise metrics in neighboring cities; determination of a standard for equitable consideration of noise issues; addition of a standard for L Max; frequency component and context of what was generating the noise.

The Commission discussed the Safety Element.

Commissioner Kronzak indicated more specificity was a good thing; energy resilience felt too low; support for agricultural resilience; and consideration of insurability of developments.

Commissioner Ross stated developers would not advance projects without being able to insure.

Vice Chair Fintschenko indicated support for the emergency notification's goal; Policy Option C; ensuring General Plan policies were goal oriented rather than tactical; providing general direction of the goal on drought and moving actions elsewhere; and questioned whether there was agriculture within the City limits. Principal Planner Ross explained the agriculture within the City, sphere of influence and planning area.

Chair Anderson indicated agricultural resilience was important but perhaps should be in Economic Development. Staff indicated the Agricultural Industry could appear in multiple forms throughout the General Plan.

Chair Anderson and Vice Chair Fintschenko discussed the need to consider smoke in relation to walkable developments and transit-oriented communities. Principal Planner Ross discussed strategies on air quality in the Climate Action Plan and consideration of air quality in the General Plan.

Chair Anderson expressed appreciation for planning for a sustainable future.

7. MATTERS INITIATED BY PLANNING COMMISSION AND STAFF

Commissioner Kronzak expressed concern about the deteriorating asphalt and flooding on the ramp to east bound 580 at North Livermore. Chair Anderson stated it was Caltrans property.
Chair Anderson requested confirmation that the lights at Stockman Park were on at dark; and expedited processing of directional ramps.

8. ADJOURNMENT – at 10:19 pm to a Regular Planning Commission Meeting on Tuesday, January 7, 2025, at 7:00 pm, Civic Center Meeting Hall, City Council Chambers, 1016 S. Livermore Ave.

IN THE PLANNING COMMISSION OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION APPROVING CONSISTENCY DETERMINATION (CD) 24-010 FOR THE CORNERSTONE RESIDENTIAL DEVELOPMENT

On April 20, 2022, the City received an application from Cornerstone for Vesting Tentative Tract Map (VTTM) 8669, Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, Conditional Use Permit (CUP) 24-009 and Consistency Determination 24-010, to develop five vacant lots at the northwest corner of the intersection of Collier Canyon Road and Constitution Drive. The project will consist of 21 three story residential buildings and one 5 story apartment building for a total of 253 residential units. The project includes 114 affordable units and 14 accessible units, one public park and a smaller pocket park, public trail, and related landscaping, parking, stormwater, and frontage improvements. The applicant has submitted for relief under the Housing Crisis Act of 2019 (CA SB330) and Density Bonus under Government Code section 65915.

The Planning Commission, as the City's planning agency, is required by Government Code Section 65402(a) to determine the consistency of the acquisition of real property for public purposes with the City's General Plan.

A Consistency Determination for the acquisition of real property does not constitute a project for the purposes of the California Environmental Quality Act (CEQA) per section 21065 of the California Environmental Quality Act and CEQA Guidelines. Therefore, no environmental review under CEQA is required for CD 24-010.

On December 17, 2024, the Planning Commission held a duly noticed public hearing to consider the Project, staff recommendations, all public comments and testimony, and findings.

NOW, THEREFORE, BE IT RESOLVED by the Planning Commission of the City of Livermore that prior to taking action on the Project, and at a properly noticed public hearing, the Planning Commission reviewed written and oral staff reports, conducted a public hearing on the Project and took testimony, and received into the record all pertinent documents related to the Project (collectively, the "Record Evidence"). The Planning Commission's determination is based on the Record Evidence, which is incorporated into this Resolution by reference.

BE IT FURTHER RESOLVED with respect to the Consistency Determination application, the Planning Commission finds based upon the information presented that:

1. Acquisition of real property as proposed, is determined to be consistent with the City of Livermore General Plan.
2. The subject real property to be acquired are necessary for present or prospective public use.

Finding: The City's acquisition through dedication of real property that is identified as Parcel M and the 10 foot wide Public Access Easement along Collier Canyon Creek in Vesting Tentative Tract Map 8669 for public purposes, does not conflict with any General Plan policies and does not detrimentally affect the implementation of the General Plan. Accepting this dedication of property would implement the General Plan through the Isabel Neighborhood Specific Plan (INSP) by meeting the INSP Open Space-Neighborhood Park requirement on this property (INSP Chapter 2, Figure 2-1 (Pg. 2-5)) and meeting the following General Plan policies and actions:

- Land Use Element (Goal LU-3) (Objective LU-3.1): Create neighborhoods near transit that include a mix of uses and a range of housing types to meet the needs of all residents.
- Objective OSC-5.1 Provide a comprehensive system of parks and recreation facilities in Livermore.
- Objective OSC-5.2 Provide a full range of recreational activities within Livermore's park system.

BE IT FURTHER RESOLVED that the Livermore Planning Commission, based upon its own independent review of the Record Evidence and considerations, and based on the above findings which are necessary to protect the public health, safety, and general welfare, hereby approves Consistency Determination (CD) 24-010.

BE IT FURTHER RESOLVED that the Livermore Planning Commission finds that a Consistency Determination for the acquisition of real property does not constitute a project for the purposes of the California Environmental Quality Act (CEQA) per section 21065 of the California Environmental Quality Act and CEQA Guidelines. Therefore, no environmental review under CEQA is required for CD 24-010.

The documents that constitute the record of proceedings upon which this decision is based can be found in the Community Development Department 1052 S. Livermore Avenue, in Livermore, California.

On the motion by Commissioner Kronzak seconded by Commissioner Fintschenko, the foregoing Resolution was adopted at the Planning Commission meeting of December 17, 2024, by the following vote:

AYES: ANDERSON, FINTSCHENKO, LEARY, KRONZAK.
NOES: NONE.
ABSENT: NONE.

Jacob Anderson, Chairperson

Stephen Riley

by Stephen Riley, Acting Planning Manager

Secretary to the Planning Commission

IN THE CITY COUNCIL OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION FINDING THAT THE CORNERSTONE PROJECT IS EXEMPT FROM THE PROVISIONS OF THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

The City of Livermore ("City") received an application from Cornerstone for Vesting Tentative Tract Map (VTTM) 8669, Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, Conditional Use Permit (CUP) 24-009 and Consistency Determination 24-010 to develop five vacant lots at the northwest corner of the intersection of Collier Canyon Road and Constitution Drive, implementing the Isabel Neighborhood Specific Plan ("Project"). The Project will consist of 21 three story residential buildings and one 5 story apartment building for a total of 253 residential units. The project includes 114 affordable units and four accessible units, one public park and a smaller pocket park, public trail, and related landscaping, parking, stormwater, and frontage improvements. The applicant has submitted for relief under the Housing Crisis Act of 2019 (CA SB330) and Density Bonus under Government Code section 65915.

At a duly noted public hearing on December 17, 2024, the Planning Commission considered the Project, made the necessary findings, and adopted Planning Commission Resolution No. 50-24 recommending the City Council find the Project is exempt from the provisions of the California Environmental Quality Act ("CEQA") (See Exhibit A – Planning Commission Resolution).

On January 27, 2025, the City Council held a duly noticed public hearing to consider the Project, staff recommendations, all public comments and testimony, and findings.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Livermore that prior to taking action on the Project, and at a properly noticed public meeting, the City Council reviewed written and oral staff reports, conducted a public hearing on the Project, took testimony, and received into the record all pertinent documents related to the Project (collectively, the "Record Evidence"). The City Council's determination is based on the Record Evidence, which is incorporated into this Resolution by reference.

BE IT FURTHER RESOLVED that the City Council of the City of Livermore, based upon its own independent review of the Record Evidence and considerations, finds that the Project is exempt from the California Environmental Quality Act ("CEQA") pursuant to California Government Code Section 65457 and CEQA Guidelines Section 15182(c), which exempts residential projects that implement a Specific Plan where: 1) a public agency has prepared an EIR on a Specific Plan after January 1, 1980, and the residential project conforms to the Specific Plan; and 2) no events described in CEQA Guidelines Section 15162 have occurred (see Exhibit B – Initial Study).

1. Findings: The Isabel Neighborhood Specific Plan and its Supplemental EIR were adopted and certified in 2020 (SCH #2016042039). The Project is located within the Specific Plan's Village and Center zoning districts. The Project is consistent

with the allowed residential uses of the Village and Center and Open Space zoning districts and is within the minimum and maximum densities of 25 to 40 and 40 to 60 dwelling units per acre, respectively. All required development standards have been met, upon making the findings precedent to granting the requested density bonus waivers and incentives/concessions for height, residential entries, podium parking height, open space and comparability of affordable units, but all other design requirements have been fulfilled. Given that State law supersedes local ordinance, the Project's use of State Density Bonus Law to waive the aforementioned standards does not result in a Specific Plan inconsistency.

The Project provides more public open space than required through the provision of a 2.5-acre public park, 0.4-acre public pocket park, and 0.34-acre public trail. The project meets the private open space standards through the provision of private balconies on each condominium unit and the use of a waiver for the affordable apartments. The project meets street frontage setbacks with well landscaped frontages and the required parking through the State Density Bonus Law. The Project provides frontage improvements along the Collier Canyon Road and Constitution Drive frontages as required by the Specific Plan. Proposed apartment building architecture has a high-quality contemporary design with traditional elements, and proposed townhome architecture has a high-quality traditional design, both with articulated facades, plane changes, and multiple material types, as required by the Specific Plan and citywide Design Standards and Guidelines.

As called for in the Specific Plan, the Project provides six for-sale affordable units to residents with moderate incomes, and 108 for-rent affordable units to residents with extremely-, very-, and low incomes. The Project also implements Specific Plan policies for a walkable neighborhood that provides housing variety by proposing unit types with a range of floor plans and connecting the site to the existing pedestrian circulation network through multiple connection points. The proposed landscape plan conforms to Specific Plan and Design Standards and Guidelines by exceeding the required number of trees per acre and providing large shade trees along walks and the public right-of-way. Specific Plan sustainability requirements are also satisfied given that the Project proposes rooftop solar arrays, California native landscape species, and electric vehicle charging spaces.

The Project is conditioned to comply with the Mitigation, Monitoring, and Reporting Program (MMRP) adopted with the certified 2020 Supplemental EIR. In addition, the applicant prepared Phase I Environmental Site Assessment (Phase I), geotechnical (soils), biological, traffic, and noise studies that found no significant impacts would occur beyond those identified in the EIR. For these reasons, the Project wholly conforms with the Isabel Neighborhood Specific Plan, which was prepared and approved after January 1, 1980.

2. Findings: No substantial Project changes are proposed which would require major revisions to the previous Supplemental EIR. The Project proposes 253 residential units, consistent with the allowed uses and densities contemplated in the Supplemental EIR. Substantial changes in circumstances have not occurred requiring major revisions to the previous Supplemental EIR, as the site remains vacant, rough graded in the developable areas, and is surrounded by urban development. There is no new information of substantial importance that would result in new impacts not previously discussed, result in more severe impacts, or require modifications to the existing mitigation measures. The applicant prepared a Phase I, geotechnical (soils), biological, traffic, and noise studies, and found no significant impacts would occur beyond those identified in the EIR and did not yield any new information of substantial importance. For these reasons, no events described in CEQA Section 15162 have occurred and therefore no further environmental review is required.

BE IT FURTHER RESOLVED that the City Council of the City of Livermore, based upon its own independent review of the Record Evidence and considerations, finds that the Project is exempt from the California Environmental Quality Act ("CEQA") pursuant to CEQA Section 21083.3 and CEQA Guidelines Section 15183, which exempts projects consistent with a Community Plan, General Plan, or Zoning where: 1) the project is consistent with a Community Plan, General Plan, or Zoning Action for which a Lead Agency has certified an EIR; and 2) project-specific impacts are not peculiar to the project site.

1. Findings: An Isabel Neighborhood Specific Plan (Specific Plan) zoning district was established as part of the overall Specific Plan project, as approved by City Council in November 2020. Therefore, the Specific Plan can be considered a “Zoning Action” for purposes of CEQA Section 21083.3 and CEQA Guidelines Section 15183. The City Council certified the Specific Plan’s Supplemental EIR (SCH #2016042039) in November 2020 with Specific Plan adoption.

As described in the Planning Commission staff report and Planning Commission staff memorandum, dated December 17, 2024, the Project is consistent with the uses, densities, development standards, and design requirements of the Specific Plan. Given that State law supersedes local ordinance, the Project’s use of State Density Bonus Law waivers and incentives/concessions does not result in a Specific Plan inconsistency. The Project is located within the Specific Plan’s Village and Center and Open Space zoning districts. The Project is consistent with the allowed residential uses of the Transition zoning district and is within the Village and Center zoning districts and is within the minimum and maximum densities of 25 to 40 and 40 to 60 dwelling units per acre, respectively. All required development standards have been met, upon making the findings precedent to granting the requested density bonus waivers and incentives/concessions for height, residential entries, podium parking height, open space and comparability of affordable units, but all other development requirements have been fulfilled. The Project provides more public open space than required through the provision of a

2.5-acre public park, 0.4-acre public pocket park, and 0.34-acre public trail. The Project meets the private open space standards through the provision of private balconies on each condominium townhome unit and the use of a waiver for the affordable apartments. The Project meets street frontage setbacks with well landscaped frontages and the required parking through the State Density Bonus Law. The Project provides frontage improvements along the Collier Canyon Road and Constitution Drive frontages as required by the Specific Plan.

As called for in the Specific Plan, the Project provides six for-sale affordable units to residents with moderate incomes, and 108 for-rent affordable units to residents with extremely-, very-, and low incomes. The Project also implements Specific Plan policies for a walkable neighborhood that provides housing variety by proposing unit types with a range of floor plans and connecting the site to the existing pedestrian circulation network through multiple connection points. The proposed landscape plan conforms to Specific Plan and Design Standards and Guidelines standards by exceeding the required number of trees per acre and providing large shade trees along walks and the public right-of-way. Specific Plan sustainability requirements are also satisfied given that the Project proposes rooftop solar arrays, California native landscape species, and electric vehicle charging spaces.

2. Findings: There are no specific significant environmental effects which are peculiar to the Project or Project Site, as stipulated in CEQA Guidelines subsection 15183(b)(1) through (b)(4), and as described below:

i. Impacts Peculiar to the Project. The Project is consistent with the uses and intensities contemplated in the Specific Plan. Since Specific Plan adoption, no substantial changes have occurred to the project site nor its surroundings. The site remains undeveloped and rough graded in the areas to be developed. The applicant prepared Phase I, geotechnical (soils), biological, traffic, and noise studies that found no significant impacts would occur beyond those identified in the EIR. For these reasons, no additional project-specific impacts have occurred that are peculiar to the project site.

ii. Environmental Impacts not Previously Analyzed as Significant. The Project is consistent with the uses and intensities contemplated in the Specific Plan, therefore, all potential Project impacts have been previously anticipated and analyzed in the Specific Plan EIR. In addition, the Project is conditioned to comply with the Mitigation, Monitoring, and Reporting Program (MMRP) adopted with the certified 2020 Supplemental EIR. The Project will implement the mitigation measures, reducing significant Project impacts to a less than significant level. The City Council adopted a Statement of Overriding Considerations with the certified 2020 Supplemental EIR. The Project will not exacerbate any significant impacts deemed

acceptable in the Statement of Overriding Considerations. The applicant also prepared Phase I, geotechnical (soils), biological, traffic, and noise studies, that found no significant impacts would occur beyond those identified in the EIR. For these reasons, there are no significant environmental impacts that were not previously analyzed.

iii. Potentially Significant Offsite or Cumulative Impacts. Since Specific Plan adoption, no substantial changes have occurred to the project site nor its immediate surroundings. Surrounding residential uses that were present during the 2020 Supplemental EIR analysis remain. Therefore, the EIR already anticipated the cumulative impacts of these projects. For these reasons, there are no potentially significant offsite or cumulative impacts not previously analyzed in the 2020 Supplemental EIR.

iv. Substantial New Information. Since Specific Plan adoption, no substantial changes have occurred to the project site nor its surroundings. The site remains undeveloped and rough graded in developable areas. The applicant also prepared Phase I, geotechnical (soils), biological, traffic, and noise studies that found no significant impacts would occur beyond those identified in the EIR. For these reasons, there is no substantial new information that was not known at the time of EIR adoption.

v. Uniform Mitigations and Development Standards. The Project is subject to complying with all applicable mitigation measures adopted pursuant to the Mitigation Monitoring and Reporting Program (MMRP) for the Specific Plan's 2020 Supplemental EIR in addition to the uniformly applied development standards of the Specific Plan and Livermore Development Code. The combination of applicable mitigation measures and uniform standards would reduce all potentially significant impacts to a less than significant level. The applicant, or their successors in interest, is required to implement applicable mitigation measures applicable through conditions of approval.

BE IT FURTHER RESOLVED that the City Council of the City of Livermore directs the Planning Manager to file a Notice of Exemption with the Alameda County Clerk if the Project is approved.

The documents that constitute the record of proceedings upon which this decision is based can be found in the Community Development Department, 1052 S. Livermore Avenue, in Livermore, California.

On the motion by Council Member _____ seconded by Council Member _____, the foregoing Resolution was passed and adopted on January 27, 2025, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAIN: COUNCIL MEMBERS:

ATTEST:

_____
Deborah L. Elam
City Clerk

APPROVED AS TO FORM:

/s/ Katherine Mirassou
Katherine Mirassou
Assistant City Attorney

Exhibit A – Planning Commission Environmental Resolution
Exhibit B – Initial Study

IN THE PLANNING COMMISSION OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION RECOMMENDING THE CITY COUNCIL FIND THAT THE CORNERSTONE RESIDENTIAL DEVELOPMENT IS EXEMPT FROM THE PROVISIONS OF THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

On April 20, 2022, the City received an application from Cornerstone for Vesting Tentative Tract Map (VTTM) 8669, Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, Conditional Use Permit (CUP) 24-009 and Consistency Determination 24-010 to develop five vacant lots at the northwest corner of the intersection of Collier Canyon Road and Constitution Drive. The project will consist of 21 three story residential buildings and one 5 story apartment building for a total of 253 residential units. The project includes 114 affordable units and 14 accessible units, one public park and a smaller pocket park, public trail, and related landscaping, parking, stormwater, and frontage improvements. The applicant has submitted for relief under the Housing Crisis Act of 2019 (CA SB330) and Density Bonus under Government Code section 65915.

On December 17, 2024, the Planning Commission held a duly noticed public hearing to consider the Project and staff recommendations, all public comments and testimony, and findings.

NOW, THEREFORE, BE IT RESOLVED by the Planning Commission of the City of Livermore that prior to taking action on the Project, and at a properly noticed public meeting, the Planning Commission reviewed written and oral staff reports, conducted a public hearing on the Project, took testimony, and received into the record all pertinent documents related to the Project (collectively, the "Record Evidence"). The Planning Commission's determination is based on the Record Evidence, which is incorporated into this Resolution by reference.

BE IT FURTHER RESOLVED, that the Planning Commission of the City of Livermore, based upon its own independent review of the Record Evidence and considerations, recommends the City Council find that the Project is exempt from the California Environmental Quality Act ("CEQA") pursuant to California Government Code Section 65457 and CEQA Guidelines Section 15182(c), which exempts residential projects that implement a Specific Plan where: 1) a public agency has prepared an EIR on a Specific Plan after January 1, 1980, and the residential project conforms to the Specific Plan; and 2) no events described in CEQA Guidelines Section 15162 have occurred (see Exhibit A – Initial Study).

1. Findings: The Isabel Neighborhood Specific Plan and its Supplemental EIR were adopted and certified in 2020 (SCH #2016042039). The Project is located within the Specific Plan's Village and Center zoning districts. The Project is consistent with the allowed residential uses of the Village and Center and Open Space zoning districts and is within the minimum and maximum densities of 25 to 40 and 40 to 60 dwelling units per acre, respectively. All required development standards have been met, upon making the findings precedent to granting the requested density bonus waivers and incentives/concessions for height, residential entries, podium parking height, open space and comparability of affordable units, but all other design requirements have been fulfilled. Given that State law supersedes local ordinance, the Project's use of State Density Bonus Law to waive the aforementioned standards does not result in a

Specific Plan inconsistency.

The Project provides more public open space than required through the provision of a 2.5-acre public park, 0.4-acre public pocket park, and 0.34-acre public trail. The project meets the private open space standards through the provision of private balconies on each condominium unit and the use of a waiver for the affordable apartments. The project meets street frontage setbacks with well landscaped frontages and the required parking through the State Density Bonus Law. The Project provides frontage improvements along the Collier Canyon Road and Constitution Drive frontages as required by the Specific Plan. Proposed apartment building architecture has a high-quality contemporary design with traditional elements, and proposed townhome architecture has a high-quality traditional design, both with articulated facades, plane changes, and multiple material types, as required by the Specific Plan and citywide Design Standards and Guidelines.

As called for in the Specific Plan, the Project provides six for-sale affordable units to residents with moderate incomes, and 108 for-rent affordable units to residents with extremely-, very-, and low incomes. The Project also implements Specific Plan policies for a walkable neighborhood that provides housing variety by proposing unit types with a range of floor plans and connecting the site to the existing pedestrian circulation network through multiple connection points. The proposed landscape plan conforms to Specific Plan and Design Standards and Guidelines by exceeding the required number of trees per acre and providing large shade trees along walks and the public right-of-way. Specific Plan sustainability requirements are also satisfied given that the Project proposes rooftop solar arrays, California native landscape species, and electric vehicle charging spaces.

The Project is conditioned to comply with the Mitigation, Monitoring, and Reporting Program (MMRP) adopted with the certified 2020 Supplemental EIR. In addition, the applicant prepared Phase I Environmental Site Assessment (Phase I), geotechnical (soils), biological, traffic, and noise studies that found no significant impacts would occur beyond those identified in the EIR. For these reasons, the Project wholly conforms with the Isabel Neighborhood Specific Plan, which was prepared and approved after January 1, 1980.

2. Findings: No substantial Project changes are proposed which would require major revisions to the previous Supplemental EIR. The Project proposes 253 residential units, consistent with the allowed uses and densities contemplated in the Supplemental EIR. Substantial changes in circumstances have not occurred requiring major revisions to the previous Supplemental EIR, as the site remains vacant, rough graded in the developable areas, and is surrounded by urban development. There is no new information of substantial importance that would result in new impacts not previously discussed, result in more severe impacts, or require modifications to the existing mitigation measures. The applicant-prepared a Phase I, geotechnical (soils), biological, traffic, and noise studies, and found no significant impacts would occur beyond those identified in the EIR and did not yield any new information of substantial

importance. For these reasons, no events described in CEQA Section 15162 have occurred and therefore no further environmental review is required.

BE IT FURTHER RESOLVED, that the Planning Commission of the City of Livermore, based upon its own independent review of the Record Evidence and considerations, recommends that the City Council find that the Project is exempt from the California Environmental Quality Act ("CEQA") pursuant to CEQA Section 21083.3 and CEQA Guidelines Section 15183, which exempts projects consistent with a Community Plan, General Plan, or Zoning where: 1) the project is consistent with a Community Plan, General Plan, or Zoning Action for which a Lead Agency has certified an EIR; and 2) project-specific impacts are not peculiar to the project site.

1. Findings: An Isabel Neighborhood Specific Plan (Specific Plan) zoning district was established as part of the overall Specific Plan project, as approved by City Council in November 2020. Therefore, the Specific Plan can be considered a "Zoning Action" for purposes of CEQA Section 21083.3 and CEQA Guidelines Section 15183. The City Council certified the Specific Plan's Supplemental EIR (SCH #2016042039) in November 2020 with Specific Plan adoption.

As described in the Planning Commission staff report, dated December 17, 2024, the Project is consistent with the uses, densities, development standards, and design requirements of the Specific Plan. Given that State law supersedes local ordinance, the Project's use of State Density Bonus Law waivers and incentives/concessions does not result in a Specific Plan inconsistency. The Project is located within the Specific Plan's Village and Center and Open Space zoning districts. The Project is consistent with the allowed residential uses of the Transition zoning district and is within the Village and Center zoning districts and is within the minimum and maximum densities of 25 to 40 and 40 to 60 dwelling units per acre, respectively. All required development standards have been met, upon making the findings precedent to granting the requested density bonus waivers and incentives/concessions for height, residential entries, podium parking height, open space and comparability of affordable units, but all other development requirements have been fulfilled. The Project provides more public open space than required through the provision of a 2.5-acre public park, 0.4-acre public pocket park, and 0.34-acre public trail. The project meets the private open space standards through the provision of private balconies on each condominium townhome unit and the use of a waiver for the affordable apartments. The project meets street frontage setbacks with well landscaped frontages and the required parking through the State Density Bonus Law. The Project provides frontage improvements along the Collier Canyon Road and Constitution Drive frontages as required by the Specific Plan.

As called for in the Specific Plan, the Project provides six for-sale affordable units to residents with moderate incomes, and 108 for-rent affordable units to residents with extremely-, very-, and low incomes. The Project also implements Specific Plan policies for a walkable neighborhood that provides housing variety by proposing unit types with a range of floor plans and connecting the site to the existing pedestrian circulation network through multiple connection points. The proposed landscape plan

conforms to Specific Plan and Design Standards and Guidelines standards by exceeding the required number of trees per acre and providing large shade trees along walks and the public right-of-way. Specific Plan sustainability requirements are also satisfied given that the Project proposes rooftop solar arrays, California native landscape species, and electric vehicle charging spaces.

2. Findings: There are no specific significant environmental effects which are peculiar to the Project or Project Site, as stipulated in CEQA Guidelines subsection 15183(b)(1) through (b)(4), and as described below:

i. Impacts Peculiar to the Project. The Project is consistent with the uses and intensities contemplated in the Specific Plan. Since Specific Plan adoption, no substantial changes have occurred to the project site nor its surroundings. The site remains undeveloped and rough graded in the areas to be developed. The applicant prepared Phase I, geotechnical (soils), biological, traffic, and noise studies that found no significant impacts would occur beyond those identified in the EIR. For these reasons, no additional project-specific impacts have occurred that are peculiar to the project site.

ii. Environmental Impacts not Previously Analyzed as Significant. The Project is consistent with the uses and intensities contemplated in the Specific Plan, therefore, all potential Project impacts have been previously anticipated and analyzed in the Specific Plan EIR. In addition, the Project is conditioned to comply with the Mitigation, Monitoring, and Reporting Program (MMRP) adopted with the certified 2020 Supplemental EIR. The Project will implement the mitigation measures, reducing significant Project impacts to a less than significant level. The City Council adopted a Statement of Overriding Considerations with the certified 2020 Supplemental EIR. The Project will not exacerbate any significant impacts deemed acceptable in the Statement of Overriding Considerations. The applicant also prepared Phase I, geotechnical (soils), biological, traffic, and noise studies, that found no significant impacts would occur beyond those identified in the EIR. For these reasons, there are no significant environmental impacts that were not previously analyzed.

iii. Potentially Significant Offsite or Cumulative Impacts. Since Specific Plan adoption, no substantial changes have occurred to the project site nor its immediate surroundings. Surrounding residential uses that were present during the 2020 Supplemental EIR analysis remain. Therefore, the EIR already anticipated the cumulative impacts of these projects. For these reasons, there are no potentially significant offsite or cumulative impacts not previously analyzed in the 2020 Supplemental EIR.

iv. Substantial New Information. Since Specific Plan adoption, no substantial changes have occurred to the project site nor its surroundings. The site remains undeveloped and rough graded in developable areas. The applicant also prepared Phase I, geotechnical

(soils), biological, traffic, and noise studies that found no significant impacts would occur beyond those identified in the EIR. For these reasons, there is no substantial new information that was not known at the time of EIR adoption.

v. Uniform Mitigations and Development Standards. The Project is subject to complying with all applicable mitigation measures adopted pursuant to the Mitigation Monitoring and Reporting Program (MMRP) for the Specific Plan's 2020 Supplemental EIR in addition to the uniformly applied development standards of the Specific Plan and Livermore Development Code. The combination of applicable mitigation measures and uniform standards would reduce all potentially significant impacts to a less than significant level. The applicant, or their successors in interest, is required to implement applicable mitigation measures applicable through conditions of approval.

BE IT FURTHER RESOLVED that the Livermore Planning Commission recommends the City Council direct the Planning Manager to file a Notice of Exemption with the Alameda County Clerk if the Project is approved.

The documents that constitute the record of proceedings upon which this decision is based can be found in the Community Development Department, 1052 S. Livermore Avenue, in Livermore, California.

On the motion by Commissioner Kronzak seconded by Commissioner Fintschenko, the foregoing Resolution was passed and adopted at the Planning Commission meeting of December 17, 2024, by the following vote:

AYES: ANDERSON, FINTSCHENKO, LEARY, KRONZAK.
NOES: NONE.
ABSENT: NONE.

Jacob Anderson, Chairperson

Stephe Riley

By Stephen Riley, Planning Manager
Secretary to the Planning Commission

Exhibit A – Initial Study

City of Livermore
Community Development Department

Cornerstone Townhomes and Apartment Project

Modified Initial Study/15182 Checklist

December 2024

Prepared by

RANEY PLANNING & MANAGEMENT, INC. 25 years
1501 Sports Drive, Suite A, Sacramento, CA 95834

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APPENDICES:

Appendix A: Air Quality and GHG Modeling Results
Appendix B: Brief Biological Constraints Analysis
Appendix C: Aquatic Resource Delineation Report
Appendix D: Feasibility Evaluation and Preliminary Geotechnical Recommendations
Appendix E: Phase I ESA
Appendix F: Transportation Assessment

INITIAL STUDY/15182 CHECKLIST
DECEMBER 2024

A. BACKGROUND

1. Project Title: Cornerstone Townhomes and Apartment Project

2. Lead Agency Name and Address: City of Livermore
Community Development Department
1052 S. Livermore Avenue
Livermore, CA 94550

3. Contact Person and Phone Number: Steve Riley
Planning Manager
(925) 960-4461

4. Project Location: Northwest corner of Collier Canyon Road and Constitution Drive
Livermore, CA 94550
Assessor's Pacel Numbers (APNs) 905-0015-008, -026, -027, -028, and -029

5. Project Sponsor's Name and Address: The Pacific Companies
430 E. State Street, Suite 100
Eagle, ID 83616

6. General Plan Designation: Isabel Neighborhood Specific Plan, Subarea 2d

7. Specific Plan Designation: Residential Village, Residential Center, and Open Space

8. Zoning Designation: Isabel Neighborhood Specific Plan

9. Required Approvals from Other Public Agencies: None

10. Surrounding Land Uses and Setting:

The approximately 13-acre project site is located northwest of the intersection of Collier Canyon Road and Constitution Road in the City of Livermore, California, and identified as Subarea 2d in the Isabel Neighborhood Specific Plan (INSP), north of Interstate 580 (I-580). The project site is identified by Assessor's Parcel Numbers (APNs) 905-0015-008, -026, -027, -028, and -029. The project site is generally undeveloped and currently contains trees and grassland. Collier Creek and its associated riparian corridor run from the northeast corner of the site to the southwest corner and serve as the site's western property boundary. The northernmost portion of the project site (APN 905-0015-008) was previously developed with a single-family residence, which was demolished in 2019. Three existing wells are located on the project site. An east/west private dirt pedestrian walkway bisects the site, and two private gravel roadways extend into the project site from the southwestern site corner. The first roadway proceeds along the western site boundary, immediately east of the Collier Creek corridor. The second roadway bisects the southern

half of the site, from southwest to northeast. Surrounding existing land uses include undeveloped land and the Livermore Zone 7 Water Agency office building to the north; manufacturing facilities and a business park to the east, across Collier Canyon Road; I-580, undeveloped land, and auto dealerships to the south; and vacant land, a business park, the Alameda County Social Services Agency, Livermore Social Services office, a senior care center, and Costco to the west. In addition, Isabel Station, the future site of Phase I of the Valley Link Rail Project, is located 0.41-mile east of the project site. The project site is designated INSP by the City's General Plan; Residential Village, Residential Center, and Open Space by the INSP; and zoned INSP.

11. Project Description Summary:

The proposed project would include the subdivision of the project site into 13 non-residential parcels (Parcels A through M) and a total of 22 lots for residential uses. A total of 253 dwelling units and 2.42 acres of private open space area would be provided as part of the project. Lots 1 through 21 would be developed with 21 three-story residential buildings comprised of six affordable and 137 market-rate townhomes. The affordable townhome units would include three 922-square-foot (sf) one-bedroom units and three 1,311-sf two-bedroom units. The market-rate townhome units would include 31 1,726-sf three-bedroom units, 67 1,844-sf four-bedroom units, and 39 2,004-sf four-bedroom units. Lot 22 would be developed with a five-story apartment complex with 110 residential units, 108 of which would be affordable and two of which would be market-rate manager units. The units would be a mix of 411-sf studios, 547-sf one-bedroom units, 796-sf two-bedroom units, and 1,079-sf three-bedroom units. The apartment complex would include a first-level podium parking garage with up to 104 vehicle stalls for residents, and storage for 48 bicycles for residents and six bicycles for guests.

In addition, a 2.53-acre public park/open space area would be developed on Parcel M on the southern portion of the site and would include a multi-purpose lawn, a water treatment garden, a picnic area with tables and shade structure, paths, trees, and a children's playground. Parcel L would serve as a 1.61-acre conservation easement and would include a 0.61-acre linear park/trail and a new pedestrian and bicycle path.

The project would require City approval of a Vesting Tentative Map, Site Plan and Design Review, Conditional Use Permit, and Consistency Determination. In addition, as allowed under State Density Bonus Law, the project applicant is requesting waivers and concessions to the City of Livermore development standards from the City of Livermore.

B. BACKGROUND AND INTRODUCTION

The following provides a description of this Modified Initial Study's approach to evaluating the proposed project's consistency with California Environmental Quality Act (CEQA) Guidelines Section 15182 and Government Code Sections 65915 through 65918.

Background

The 2018 INSP[1] was adopted and the associated EIR (#SCH #2016042039) certified by the Livermore City Council in May 2018 however, implementation of the 2018 INSP was contingent upon the extension of San Francisco Bay Area Rapid Transit (BART) to Isabel Avenue in the City of Livermore. The Livermore City Council rescinded the approval actions of the 2018 INSP

[1] City of Livermore. *Isabel Neighborhood Specific Plan.* Amended November 2022.

(Resolution #2018-067) after the BART extension to Livermore failed to pass voting by the BART Board of Directors.

In 2020, the City of Livermore prepared an updated INSP, which included modifications to the INSP policies and maps related to the proposed Valley Link Rail system, as well as minor land use map adjustments to better reflect the existing development. A Supplemental EIR (SEIR) to the 2018 INSP EIR[2] was prepared and certified for the 2020 INSP update.

The INSP identifies the approximately 13-acre project site as Residential Village, Residential Center, and Open Space, which assumed the development of residential uses with densities of 25-40 dwelling units per acre (du/acre) within the Residential Village, and 40-60 du/acre in the Residential Center.

CEQA Guidelines Section 15182

This Initial Study/15182 Checklist identifies and analyzes the potential environmental impacts of the proposed project. The information and analysis presented in this document is organized in accordance with the order of the CEQA checklist in Appendix G of the CEQA Guidelines.

Government Code Section 65457 and CEQA Guidelines Section 15182 provide an exemption from CEQA for residential projects undertaken pursuant to and in conformity with that specific plan. The scope of this residential exemption applies to land subdivisions, zoning changes, and residential planned unit developments. The requirements of Section 15182 state the following:

(a) General. Certain residential, commercial and mixed-use projects that are consistent with a specific plan adopted pursuant to Title 7, Division 1, Chapter 3, Article 8 of the Government Code are exempt from CEQA, as described in subdivisions (b) and (c) of this section.

(b) Projects Proximate to Transit.
  (1) Eligibility. A residential or mixed-use project, or a project with a floor area ratio of at least 0.75 on commercially-zoned property, including any required subdivision or zoning approvals, is exempt if the project satisfies the following criteria:
    (A) It is located within a transit priority area as defined in Public Resources Code section 21099(a)(7);
    (B) It is consistent with a specific plan for which an environmental impact report was certified; and
    (C) It is consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in either a sustainable communities strategy or an alternative planning strategy for which the State Air Resources Board has accepted the determination that the sustainable communities strategy or the alternative planning strategy would achieve the applicable greenhouse gas emissions reduction targets.
  (2) Limitation. Additional environmental review shall not be required for a project described in this subdivision unless one of the events in section 15162 occurs with respect to that project.
  (3) Statute of Limitations. A challenge to a project described in this subdivision is subject to the statute of limitations periods described in section 15112.

(c) Residential Projects Implementing Specific Plans
  (1) Eligibility. Where a public agency has prepared an EIR on a specific plan after January 1, 1980, a residential project undertaken pursuant to and in conformity to that specific plan is

[2] City of Livermore. *Isabel Neighborhood Specific Plan Public Review Draft Supplemental Environmental Impact Report.* June 23, 2020.

exempt from CEQA if the project meets the requirements of this section. Residential projects covered by this section include but are not limited to land subdivisions, zoning changes, and residential planned unit developments.

(2) Limitation. If after the adoption of the specific plan, an event described in Section 15162 occurs, the exemption in this subdivision shall not apply until the city or county which adopted the specific plan completes a subsequent EIR or a supplement to an EIR on the specific plan. The exemption provided by this section shall again be available to residential projects after the Lead Agency has filed a Notice of Determination on the specific plan as reconsidered by the subsequent EIR or supplement to the EIR.

(3) Statute of Limitations. A court action challenging the approval of a project under this subdivision for failure to prepare a supplemental EIR shall be commenced within 30 days after the lead agency's decision to carry out or approve the project in accordance with the specific plan.

As discussed above, 2020 INSP update included development of the project site with residential uses. The proposed project would be consistent with the site's INSP designation of Residential Village, Residential Center, and Open Space. With respect to Section 15182(b)(1) and Section 15182(c)(1), the proposed project would be a residential project involving land subdivision. The project site is located within a "transit priority area," pursuant to CEQA Section 21099(a)(7). A transit priority area is defined therein as an area within 0.5-mile of an existing or planned major transit stop, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program or applicable regional transportation plan. The 2020 updated INSP included development of two new Valley Link Rail Project stations in the City. One station is the Isabel Station, the future site of Phase I of the Valley Link Rail Project, which is located 0.41-mile east of the project site.

The project site is located within Subarea 2d of the INSP, in which between 200 and 286 housing units are required, with a target of 243 units. The proposed project would include a total of 253 units, which is within the Subarea 2d Performance Measure specified range of units. Subarea 2d Performance Measure (a) requires at least two residential product types consistent with INSP Policy P-LU-29. The proposed project would include two residential product types, including 143 affordable and market-rate townhomes and 110 affordable and market-rate apartment units. Subarea 2d Performance Measure (b) requires building heights to be less than 50 feet above existing grade, or less than the Scenic Corridor limit. While the apartment complex component of the proposed project would result in a maximum building height greater than 50 feet, as allowed under State Density Bonus Law (Government Code Sections 65915 through 65918), the project applicant is requesting waivers and concessions to deviate from Performance Measures and development standards. With the exception of the waivers and concessions allowed under the State Density Bonus Law, the proposed project would otherwise meet the development standards set forth for the site. Given that State law supersedes local ordinance, the proposed project's use of State Density Bonus Law to waive the INSP Scenic Corridor Policy requirements related to building height and setback requirements does not result in a Specific Plan inconsistency.

As set forth by Section 15182(b)(2) and Section 15182(c)(2), the proposed project may only qualify for exemption under Section 15182 if none of the conditions identified in CEQA Guidelines Section 15162 are present. The following identifies the standards set forth in Section 15162(a):

1. Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

2. Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or negative declaration due to the involvement

of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

3. New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted, shows any of the following:

   (A) The project will have one or more significant effects not discussed in the previous EIR or negative declaration;

   (B) Significant effects previously examined will be substantially more severe than shown in the previous EIR [or negative declaration];

   (C) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or

   (D) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

The following discussion herein confirms that the project has been evaluated for significant impacts pursuant to CEQA. The determination in this document is that the project's impacts have been considered in previous CEQA documents (i.e., the 2018 INSP EIR and 2020 INSP SEIR) that were certified by the City of Livermore and deemed a sufficient and adequate analysis of the environmental impacts of the INSP. The discussion concludes that the conditions set forth in Section 15162 are not triggered by the proposed project. As such, a 15182 Checklist is the appropriate environmental document for the proposed project, pursuant to CEQA Guidelines Section 15182.

C. PROJECT DESCRIPTION

The following provides a description of the project site's current location and setting, as well as the proposed project components and the discretionary actions required for the project.

Project Location and Setting

The project site is located at the northwest corner of the intersection of Collier Canyon Road and Constitution Drive in the City of Livermore, California (see Figure 1 and Figure 2). The approximately 13-acre site (APNs 905-0015-008, -026, -027, -028, and -029) is generally undeveloped and currently contains trees and grassland. Collier Creek and its associated riparian corridor run from the northeast corner of the site to the southwest corner and serves as the site's western property boundary. The northernmost portion of the project site (APN 905-0015-008) was previously developed with a single-family residence, which was demolished in 2019; three existing wells are located on-site. An east/west private dirt pedestrian walkway bisects the site, and two private gravel roadways extend into the project site from the southwestern site corner. The first roadway proceeds along the western site boundary, immediately east of the Collier Creek corridor. The second roadway bisects the southern half of the site, from southwest to northeast. The topography of the site is relatively flat, with elevations ranging from approximately 415 to 435 feet above mean sea level (amsl).

Surrounding existing land uses include undeveloped land and the Livermore Zone 7 Water Agency office building to the north; manufacturing facilities and a business park to the east, across Collier Canyon Road; I-580, undeveloped land, and auto dealerships to the south; and vacant land, a business park, the Alameda County Social Services Agency, Livermore Social Services office, a

senior care center, and Costco to the west. In addition, Isabel Station, the future site of Phase I of the Valley Link Rail Project, is located 0.41-mile east of the project site. The project site is located within INSP Subarea 2d. The INSP designates the site as Residential Village, Residential Center, and Open Space, and the site is zoned INSP.

Project Components

The proposed project would include the subdivision of the project site into 13 non-residential parcels (Parcels A through M) and a total of 22 lots for residential uses. A total of 253 residential units, 2.53 acres of public park, and 2.42 acres of private open space area would be provided as part of the project.

Lots 1 through 21 would be developed with 21 three-story residential buildings comprised of six affordable and 137 market-rate townhomes. The affordable townhome units would include three 922-sf one-bedroom units and three 1,311-sf two-bedroom units. The market-rate townhome units would include 31 1,726-sf three-bedroom units, 67 1,844-sf four-bedroom units, and 39 2,004-sf four-bedroom units. Each unit would include a one- or two-car garage, a porch, and a deck. The maximum building height of the townhome buildings would be 40 feet and two inches. On-site amenities for the townhome residents would be located within Parcel J on the northern portion of the site and would include a 0.4-acre pocket park, a turf activity area, community garden, and picnic area with shade structure and tables.

Lot 22 would be developed with a five-story apartment complex with 110 residential units, 108 of which would be affordable, and two of which would be market-rate manager units. The units would be a mix of 411-sf studios, 547-sf one-bedroom units, 796-sf two-bedroom units, and 1,079-sf three-bedroom units. The affordable residential units would be deed-restricted and required to meet the income category criteria pursuant to Government Code Sections 65915 through 65918. The complex would include a 32,745-sf first-level podium parking garage with up to 104 vehicle stalls, and storage for 48 bicycles for residents and six bicycles for guests. The maximum building height of the five-story building would be 61 feet and one inch, with a few architectural features that would be up to 71 feet. On-site amenities for the apartment residents would include a children's playground area, community garden, two outdoor picnic areas, and a dog run.

A 2.53-acre public park would be developed on Parcel M on the southern portion of the site and would include a multi-purpose lawn, a water treatment garden, a picnic area with tables and shade structure, paths, trees, and a children's playground (see Figure 4).

Parcels J, K, and L would include a total of 2.42 acres of open space uses. Parcel J, located in the northwestern portion of the project site, would serve as an approximately 0.4-acre pocket park. Parcel K, located along the eastern site boundary, adjacent to Collier Canyon Road, would include approximately 0.42-acre of landscaping and open space, and includes existing easements for public utilities and a new water well. Parcel L, located along the western boundary of the project site, would also serve as an approximately 1.61-acre conservation easement and would include a 0.61-acre linear park/trail and a new pedestrian and bicycle path.

The project would require City approval of a Vesting Tentative Map, Site Plan Design Review, and Consistency Determination. Pursuant to Livermore Development Code Section 4.02.080, the proposed project would also require a Conditional Use Permit (CUP) for grading activities within 150 feet of the top of the Collier Creek bank. In addition, as allowed under State Density Bonus Law, the project applicant is requesting waivers and concessions to the City of Livermore development standards.

Figure 1
Regional Vicinity Map



Figure 2
Project Site Boundaries

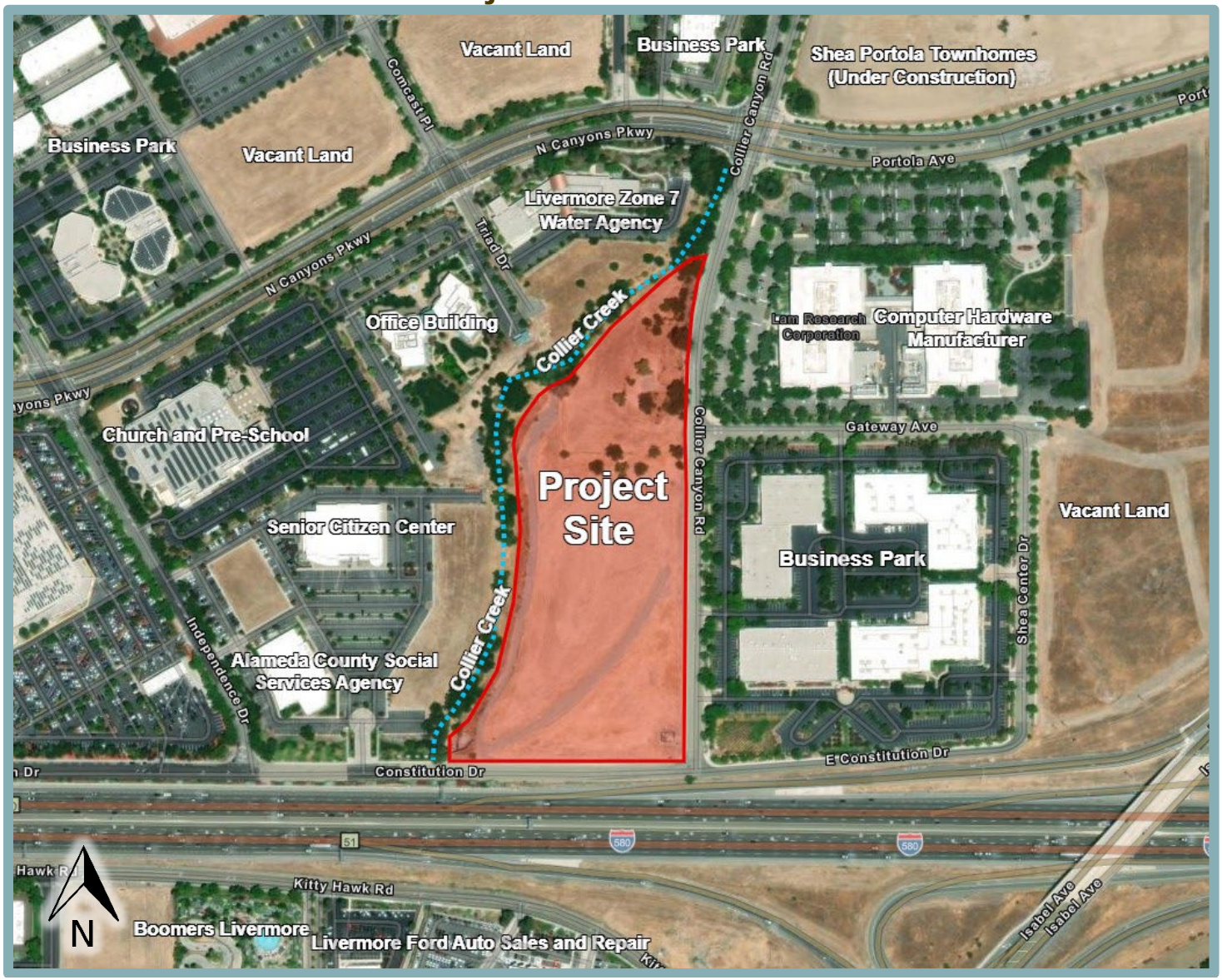
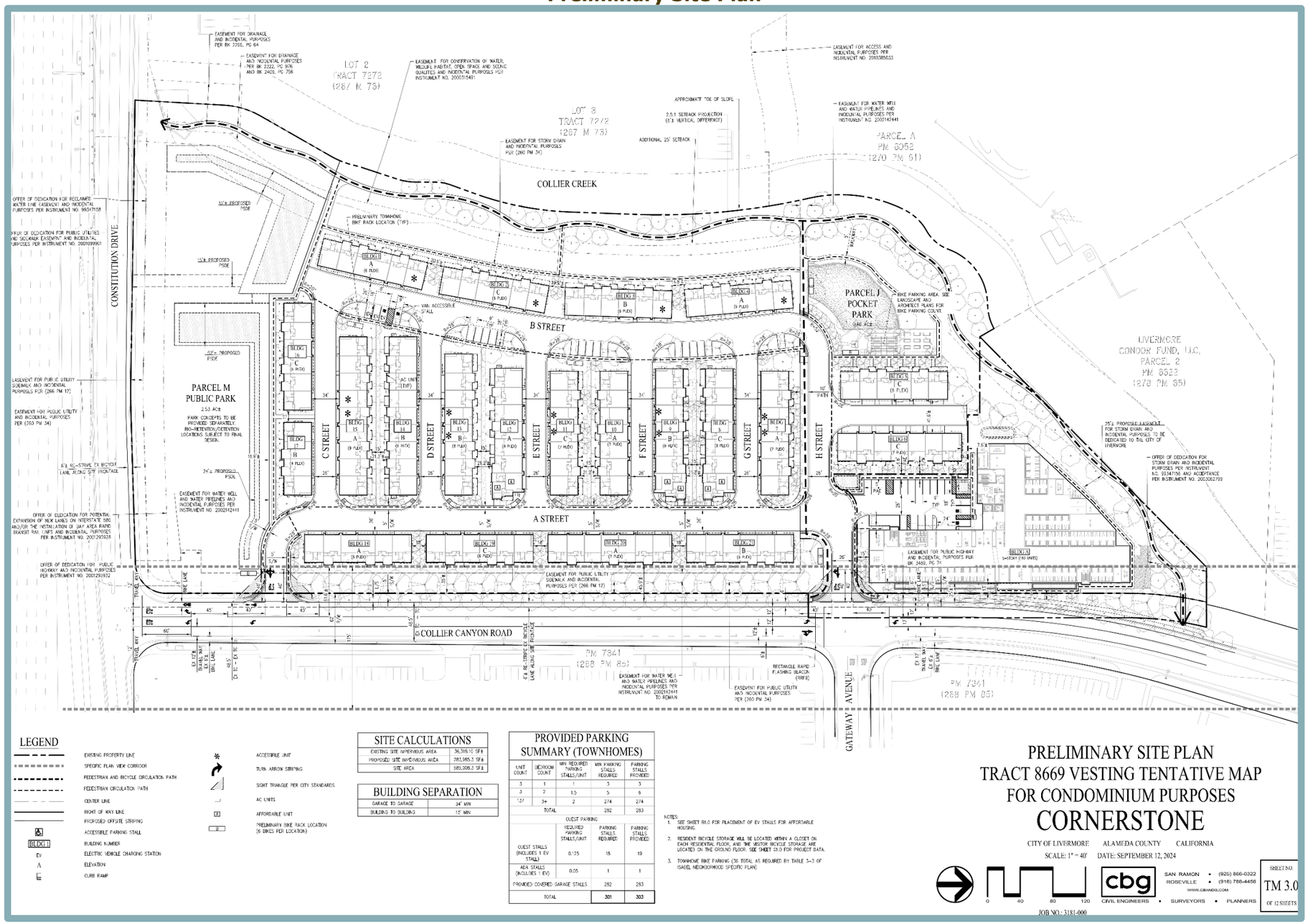


Figure 3
Preliminary Site Plan



LEGEND

- EXISTING PROPERTY LINE
- SPECIFIC PLAN VIEW CORRIDOR
- PEDESTRIAN AND BICYCLE CIRCULATION PATH
- PEDESTRIAN CIRCULATION PATH
- CENTER LINE
- RIGHT OF WAY LINE
- PROPOSED OFFSITE STRIPING
- ACCESSIBLE PARKING STALL
- BUILDING NUMBER
- ELECTRIC VEHICLE CHARGING STATION
- ELEVATION
- CURB RAMP
- ACCESSIBLE UNIT
- TURN ARROW STRIPING
- SIGHT TRIANGLE PER CITY STANDARDS
- AC UNITS
- AFFORDABLE UNIT
- PRELIMINARY BIKE RACK LOCATION (6 BIKES PER LOCATION)

SITE CALCULATIONS

EXISTING SITE IMPERVIOUS AREA	36,318.10 SF±
PROPOSED SITE IMPERVIOUS AREA	283,985.3 SF±
SITE AREA	585,308.3 SF±

BUILDING SEPARATION

GARAGE TO GARAGE	34' MIN
BUILDING TO BUILDING	15' MIN

PROVIDED PARKING SUMMARY (TOWNHOMES)

UNIT COUNT	BEDROOM COUNT	MIN REQUIRED PARKING STALLS/UNIT	MIN PARKING STALLS REQUIRED	PARKING STALLS PROVIDED
3	1	1	3	3
3	2	1.5	5	5
137	3+	2	274	274
TOTAL			282	283

GUEST PARKING	REQUIRED PARKING STALLS/UNIT	PARKING STALLS REQUIRED	PARKING STALLS PROVIDED
GUEST STALLS (INCLUDES 1 EV STALL)	0.125	18	19
ADA STALLS (INCLUDES 1 EV)	0.05	1	1
PROVIDED COVERED GARAGE STALLS		282	283
TOTAL		301	303

NOTES:
1. SEE SHEET B1.0 FOR PLACEMENT OF EV STALLS FOR AFFORDABLE HOUSING.
2. RESIDENT BICYCLE STORAGE WILL BE LOCATED WITHIN A CLOSET ON EACH RESIDENTIAL FLOOR, AND THE VISITOR BICYCLE STORAGE ARE LOCATED ON THE GROUND FLOOR. SEE SHEET D1.0 FOR PROJECT DATA.
3. TOWNHOME BIKE PARKING (36 TOTAL AS REQUIRED BY TABLE 3-3 OF ISABEL NEIGHBORHOOD SPECIFIC PLAN)

PRELIMINARY SITE PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: SEPTEMBER 12, 2024

0 40 80 120

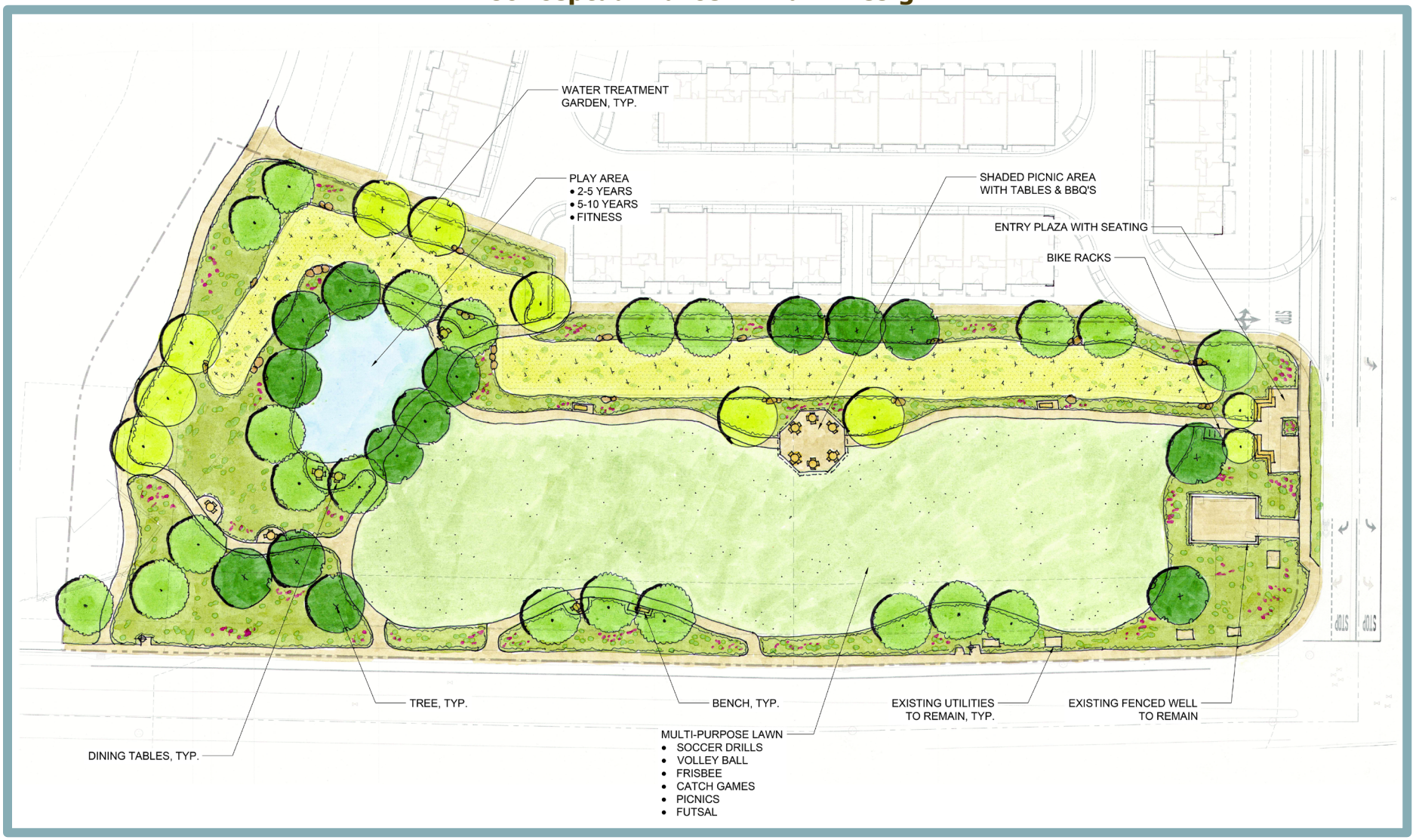
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TM 3.0
OF 12 SHEETS

Figure 4
Conceptual Parcel M Park Design



Vesting Tentative Map

The Vesting Tentative Map would subdivide the project site into 13 parcels (see Figure 5). Parcels A through I would include a total of 2.06 acres of private streets.

Parcels J through L would include a total of 2.42 acres of private open space. Parcel M would include a total of 2.53 acres of public park. Lots 1 through 21 would range in size from 0.17-acre to 0.29-acre, and include a total of 4.42 acres of townhome residential uses. Lot 22 would include a total of 1.66 acres of affordable apartment residential uses.

Below is additional detail regarding the site access and circulation, landscaping, utility infrastructure, and off-site improvements.

Site Access and Circulation, and Roadway Improvements

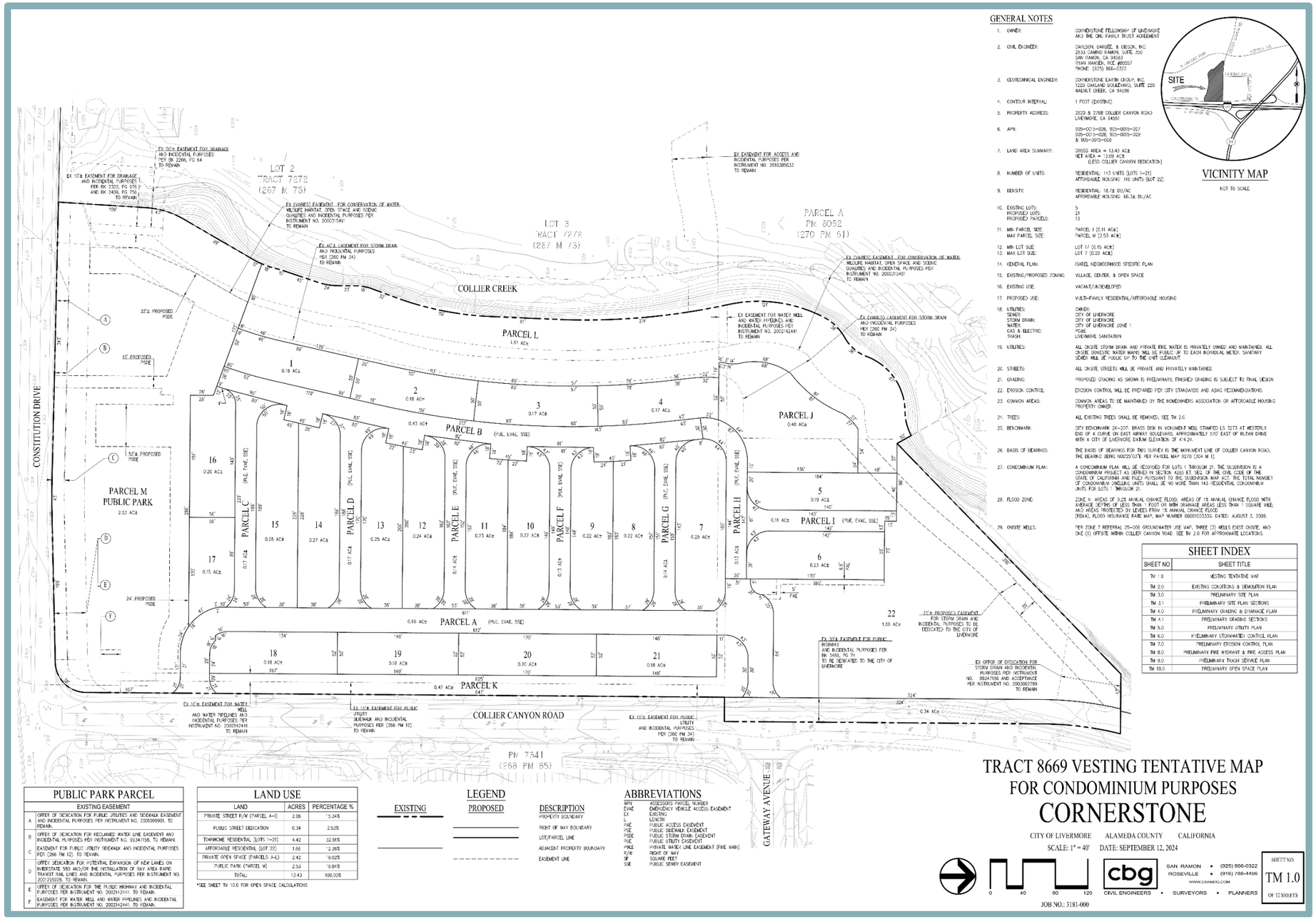
Parcels A through I would include a total of 2.06 acres of private roadways. Site access would be provided by a new internal roadway system that would connect to two new 26-foot wide driveway entrances from Collier Canyon Road along the eastern site boundary. The internal roadway system would form a grid pattern, with A Street and B Street running north-south, and C Street through H Street running east-west. All roadways would be 26 feet wide. Four- and five-foot wide sidewalks would be provided along all internal roadways.

Each unit within Lots 1 through 21 would include a one-or two-car garage, for a total of 283 garage parking spaces. The townhome portion of the proposed project would also include 19 uncovered guest parking spaces, one Americans with Disabilities Act (ADA) compliant guest parking space, for a total of 303 parking spaces. A total of 36 visitor bicycle stalls would be provided for the townhomes. The affordable housing complex within Lot 22 would include a first-level podium parking garage with 87 covered stalls and 17 uncovered stalls, for a total of 104 vehicle stalls, and storage for 48 bicycles for residents and six bicycles for guests.

As discussed above, Parcel L would serve as a 1.61-acre conservation easement and would include a 0.61-acre linear park/trail and a new pedestrian and bicycle path. The new path would run adjacent to Collier Creek and would connect to the sidewalks on Collier Canyon Road and Constitution Drive. New five-foot wide sidewalks would be included intermittently along the internal roadways.

Landscaping

All on-site trees would be removed as part of the proposed project; however, as shown in Figure 5



GENERAL NOTES

1. OWNER: CORNERSTONE FELLOWSHIP OF LIVERMORE AND THE ORR FAMILY TRUST AGREEMENT
2. CIVIL ENGINEER: CARLSON, BARBEE, & GIBSON, INC. 2633 CAMINO RAMON, SUITE 350 SAN RAMON, CA 94583 RYAN HANSEN, RCE #89557 PHONE: (925) 866-0322
3. GEOTECHNICAL ENGINEER: CORNERSTONE EARTH GROUP, INC. 1220 OAKLAND BOULEVARD, SUITE 220 WALNUT CREEK, CA 94596
4. CONTOUR INTERVAL: 1 FOOT (EXISTING)
5. PROPERTY ADDRESS: 2020 & 2768 COLLIER CANYON ROAD LIVERMORE, CA 94551
6. APN: 905-0013-026, 905-0015-027 905-0013-028, 905-0015-029 & 905-0013-008
7. LAND AREA SUMMARY: GROSS AREA = 13.43 AC± NET AREA = 13.09 AC± (LESS COLLIER CANYON DEDICATION)
8. NUMBER OF UNITS: RESIDENTIAL: 143 UNITS (LOTS 1-21) AFFORDABLE HOUSING: 110 UNITS (LOT 22)
9. DENSITY: RESIDENTIAL: 10.7± DU/AC AFFORDABLE HOUSING: 66.3± DU/AC
10. EXISTING LOTS: 5 PROPOSED LOTS: 21 PROPOSED PARCELS: 13
11. MIN PARCEL SIZE: PARCEL I (0.11 AC±) MAX PARCEL SIZE: PARCEL M (2.53 AC±)
12. MIN LOT SIZE: LOT 17 (0.15 AC±)
13. MAX LOT SIZE: LOT 7 (0.29 AC±)
14. GENERAL PLAN: ISABEL NEIGHBORHOOD SPECIFIC PLAN
15. EXISTING/PROPOSED ZONING: VILLAGE, CENTER, & OPEN SPACE
16. EXISTING USE: VACANT/UNDEVELOPED
17. PROPOSED USE: MULTI-FAMILY RESIDENTIAL/AFFORDABLE HOUSING
18. UTILITIES: SEWER: CITY OF LIVERMORE STORM DRAIN: CITY OF LIVERMORE WATER: CITY OF LIVERMORE ZONE 1 GAS & ELECTRIC: PG&E TRASH: LIVERMORE SANITATION
19. UTILITIES: ALL ONSITE STORM DRAIN AND PRIVATE FIRE WATER IS PRIVATELY OWNED AND MAINTAINED. ALL ONSITE DOMESTIC WATER MAINS WILL BE PUBLIC UP TO EACH INDIVIDUAL METER. SANITARY SEWER WILL BE PUBLIC UP TO THE UNIT CLEANOUT
20. STREETS: ALL ONSITE STREETS WILL BE PRIVATE AND PRIVATELY MAINTAINED.
21. GRADING: PROPOSED GRADING AS SHOWN IS PRELIMINARY, FINISHED GRADING IS SUBJECT TO FINAL DESIGN.
22. EROSION CONTROL: EROSION CONTROL WILL BE PREPARED PER CITY STANDARDS AND ABAG RECOMMENDATIONS.
23. COMMON AREAS: COMMON AREAS TO BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION OR AFFORDABLE HOUSING PROPERTY OWNER.
24. TREES: ALL EXISTING TREES SHALL BE REMOVED, SEE TM 2.0.
25. BENCHMARK: CITY BENCHMARK 2K-207: BRASS DISK IN MONUMENT WELL STAMPED LS 3273 AT WESTERLY END OF A CURVE ON EAST MURRY BOULEVARD, APPROXIMATELY 370' EAST OF RUTAN DRIVE WITH A CITY OF LIVERMORE DATUM ELEVATION OF 414.24.
26. BASIS OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS THE MONUMENT LINE OF COLLIER CANYON ROAD, THE BEARING BEING N80°25'03"E PER PARCEL MAP 9270 (304 M 1).
27. CONDOMINIUM PLAN: A CONDOMINIUM PLAN WILL BE RECORDED FOR LOTS 1 THROUGH 21. THE SUBDIVISION IS A CONDOMINIUM PROJECT AS DEFINED IN SECTION 4285 ET. SEQ. OF THE CIVIL CODE OF THE STATE OF CALIFORNIA AND FILED PURSUANT TO THE SUBDIVISION MAP ACT. THE TOTAL NUMBER OF CONDOMINIUM DWELLING UNITS SHALL BE NO MORE THAN 143 RESIDENTIAL CONDOMINIUM UNITS FOR LOTS 1 THROUGH 21.
28. FLOOD ZONE: ZONE X: AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD (FEMA), FLOOD INSURANCE RATE MAP, MAP NUMBER 06001C0335G, DATED: AUGUST 3, 2009.
29. ONSITE WELLS: PER ZONE 7 REFERRAL 25-006 GROUNDWATER USE MAP, THREE (3) WELLS EXIST ONSITE, AND ONE (1) OFFSITE WITHIN COLLIER CANYON ROAD. SEE TM 2.0 FOR APPROXIMATE LOCATIONS.

VICINITY MAP

NOT TO SCALE

SHEET INDEX

SHEET NO	SHEET TITLE
TM 1.0	VESTING TENTATIVE MAP
TM 2.0	EXISTING CONDITIONS & DEMOLITION PLAN
TM 3.0	PRELIMINARY SITE PLAN
TM 3.1	PRELIMINARY SITE PLAN SECTIONS
TM 4.0	PRELIMINARY GRADING & DRAINAGE PLAN
TM 4.1	PRELIMINARY GRADING SECTIONS
TM 5.0	PRELIMINARY UTILITY PLAN
TM 6.0	PRELIMINARY STORMWATER CONTROL PLAN
TM 7.0	PRELIMINARY EROSION CONTROL PLAN
TM 8.0	PRELIMINARY FIRE HYDRANT & FIRE ACCESS PLAN
TM 9.0	PRELIMINARY TRASH SERVICE PLAN
TM 10.0	PRELIMINARY OPEN SPACE PLAN

PUBLIC PARK PARCEL

	EXISTING EASEMENT
A	OFFER OF DEDICATION FOR PUBLIC UTILITIES AND SIDEWALK EASEMENT AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2009099901, TO REMAIN.
B	OFFER OF DEDICATION FOR RECLAIMED WATER LINE EASEMENT AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 91347156, TO REMAIN.
C	EASEMENT FOR PUBLIC UTILITY SIDEWALK AND INCIDENTAL PURPOSES PER (266 PM 12), TO REMAIN.
D	OFFER DEDICATION FOR POTENTIAL EXPANSION OF HOV LANES ON INTERSTATE 580 AND/OR THE INSTALLATION OF BAY AREA RAPID TRANSIT RAIL LINES AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2001255075, TO REMAIN.
E	OFFER OF DEDICATION FOR THE PUBLIC HIGHWAY AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2002142441, TO REMAIN.
F	EASEMENT FOR WATER WELL AND WATER PIPELINES AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2002142441, TO REMAIN.

LAND USE

LAND	ACRES	PERCENTAGE %
PRIVATE STREET R/W (PARCEL A-I)	2.06	15.34%
PUBLIC STREET DEDICATION	0.34	2.53%
TOWNHOME RESIDENTIAL (LOTS 1-21)	4.42	32.91%
AFFORDABLE RESIDENTIAL (LOT 22)	1.66	12.36%
PRIVATE OPEN SPACE (PARCELS A-L)	2.42	18.02%
PUBLIC PARK (PARCEL M)	2.53	18.84%
TOTAL:	13.43	100.00%

*SEE SHEET TM 10.0 FOR OPEN SPACE CALCULATIONS

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY BOUNDARY
		RIGHT OF WAY BOUNDARY
		LOT/PARCEL LINE
		ADJACENT PROPERTY BOUNDARY
		EASEMENT LINE

ABBREVIATIONS

APN	ASSESSORS PARCEL NUMBER
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT
EX	EXISTING
L	LENGTH
PAE	PUBLIC ACCESS EASEMENT
PSE	PUBLIC SIDEWALK EASEMENT
PSDE	PUBLIC STORM DRAIN EASEMENT
PUE	PUBLIC UTILITY EASEMENT
PWLE	PRIVATE WATER LINE EASEMENT (FIRE MAIN)
R/W	RIGHT OF WAY
SF	SQUARE FEET
SSE	PUBLIC SEWER EASEMENT

TRACT 8669 VESTING TENTATIVE MAP FOR CONDOMINIUM PURPOSES

CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: SEPTEMBER 12, 2024

0 40 80 120

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SHEET NO. TM 1.0 OF 10 SHEETS

Figure 6, an assortment of shade trees, accent trees, and native tree species would be planted throughout the project site. In addition, a variety of groundcover and grasses would be planted throughout the project site. All landscaping improvements would be consistent with Section 13.25 of the Municipal Code, Water Efficient Landscape, and would be irrigated by an automatic irrigation system.

Utilities

Water and sewer service for the proposed development would be provided through connections to existing City infrastructure located in the site vicinity (see Figure 7). The proposed project would include installation of new eight-inch water lines throughout the project site. The water system within the project site would connect to an existing 14-inch water main within Collier Canyon Road.

Figure 5
Vesting Tentative Map

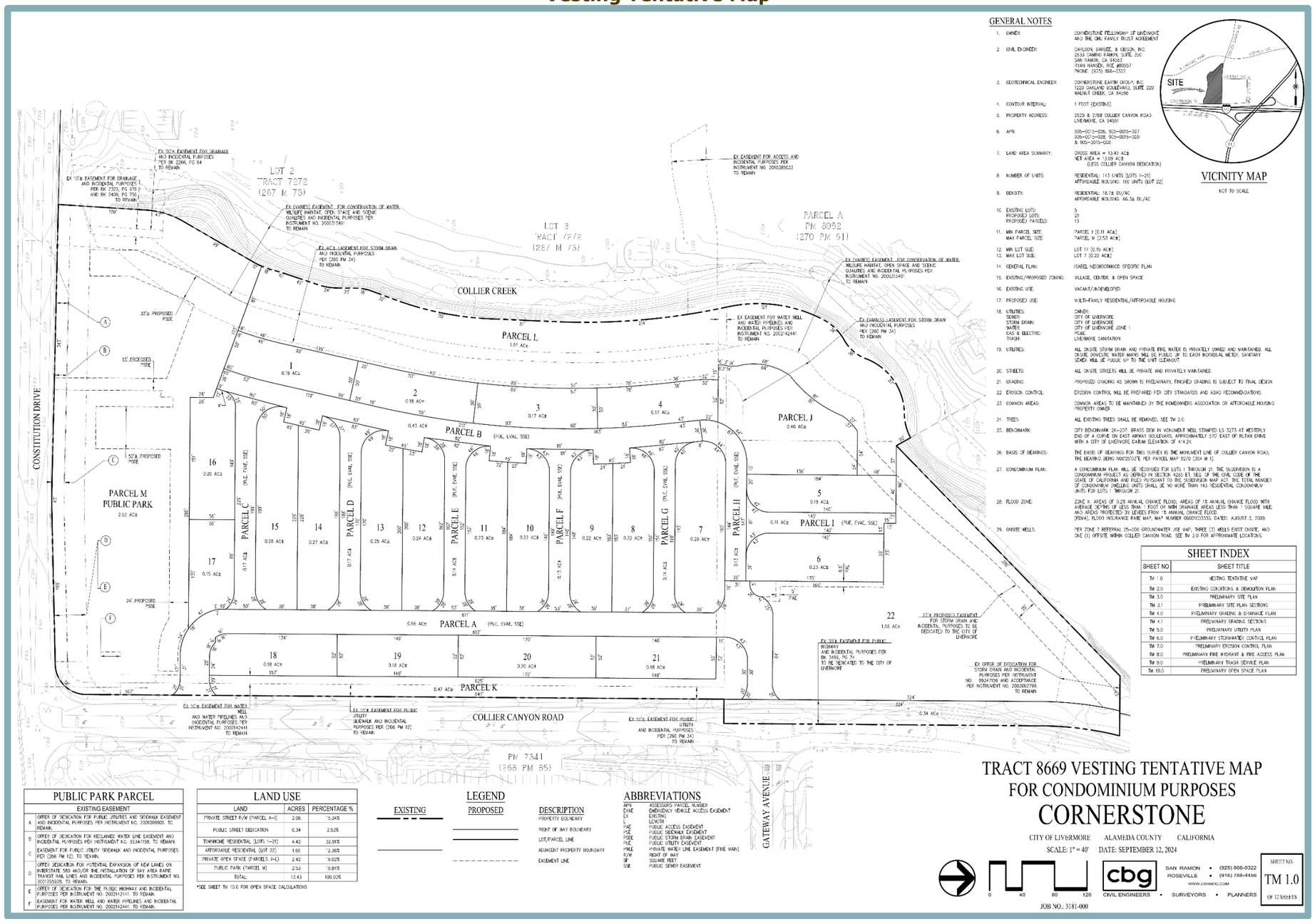
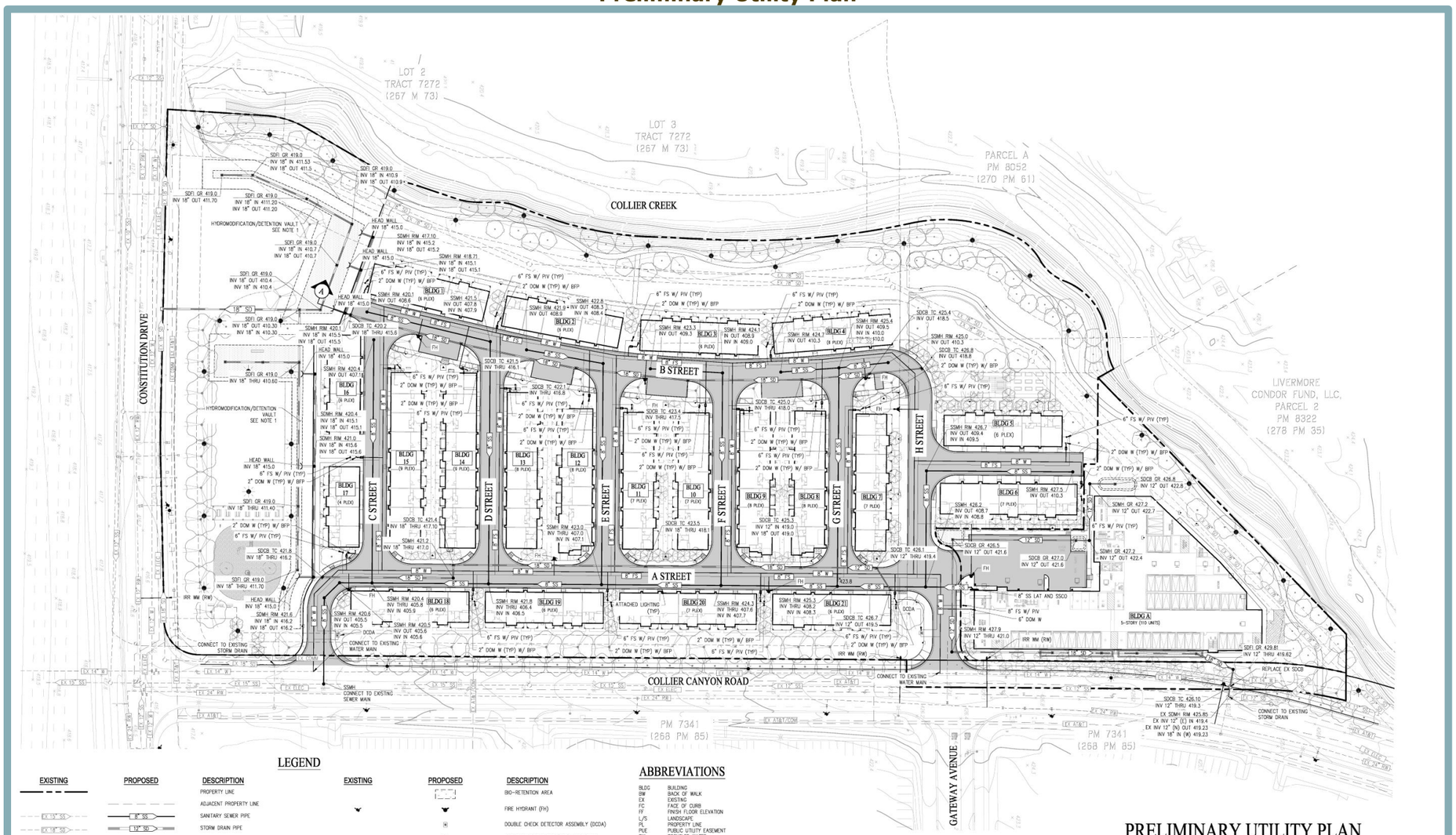


Figure 6
Landscaping Plan



Figure 7
Preliminary Utility Plan



LEGEND

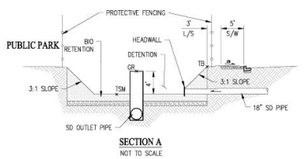
EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE
		ADJACENT PROPERTY LINE
8" SS	8" SS	SANITARY SEWER PIPE
12" SD	12" SD	STORM DRAIN PIPE
8" W	8" W	WATER PIPE–DOMESTIC
8" FS	8" FS	WATER PIPE–PRIVATE FIRE SERVICE
		WATER LATERAL
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		STORM DRAIN INLET
		STORM DRAIN CATCH BASIN

EXISTING	PROPOSED	DESCRIPTION
		BIO-RETENTION AREA
		FIRE HYDRANT (FH)
		DOUBLE CHECK DETECTOR ASSEMBLY (DCDA)
		BACKFLOW PREVENTER (BFP) AND METER
		POST INDICATOR VALVE
		STREET LIGHT
		ATTACHED LIGHT

NOTE:
1. EACH BIO-RETENTION AREA SHALL INCLUDE A RISER HEIGHT AS NOTED BELOW WITH ORIFICE CONTROL FOR HYDROMODIFICATION/DETENTION. RISER HEIGHTS AS FOLLOWS:
   - BR2 – 4" (12" DIAMETER)
   - BR3 – 4" (12" DIAMETER)
   - BR4 – 1" (12" DIAMETER)
   - BR5 – 1" (12" DIAMETER)
   - BR6 – 1" (12" DIAMETER)

ABBREVIATIONS

BLDG	BUILDING
BW	BACK OF WALK
EX	EXISTING
FC	FACE OF CURB
FF	FINISH FLOOR ELEVATION
L/S	LANDSCAPE
PL	PROPERTY LINE
PUE	PUBLIC UTILITY EASEMENT
RW	RECYCLED WATER
SD	STORM DRAIN
SSCO	SANITARY SEWER CLEANOUT
S/W	SIDEWALK
TB	TOP OF BIO-RETENTION
TSM	TOP OF SOIL MIX
WM	WATER METER



SECTION A
NOT TO SCALE

PRELIMINARY UTILITY PLAN
TRACT 8669 VESTING TENTATIVE MAP
FOR CONDOMINIUM PURPOSES
CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA
SCALE: 1" = 40' DATE: FEBRUARY 16, 2024

0 40 80 120

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SHEET NO.
TM 5.0
OF 12 SHEETS

The proposed project would also include construction of new eight-inch sanitary sewer lines and sanitary sewer manholes throughout the project site, which would then direct wastewater to the existing 15-inch sanitary sewer main within Collier Canyon Road.

A Preliminary Stormwater Control Plan has been prepared for the proposed project (see Figure 8). In compliance with C.3 stormwater guidelines, the drainage design would provide quality treatment for 10 percent equivalent impervious surface area.

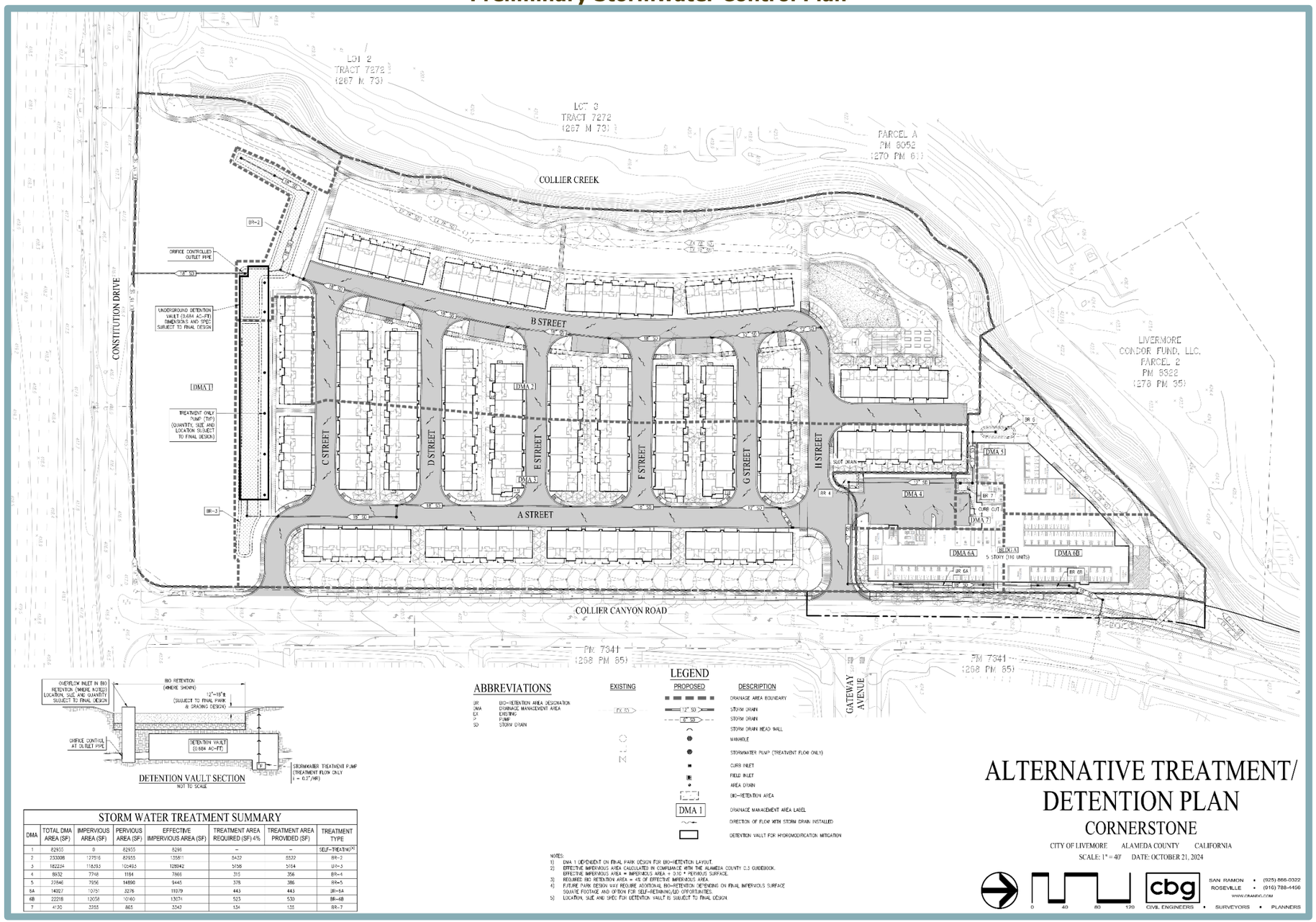
The proposed stormwater design would comply with the City's Municipal Regional Stormwater Permit (MRP) using the guidelines provided in the Clean Water Program's C.3 Stormwater Technical Guidance Manual. In order to manage and treat stormwater, the project site would be divided into various Drainage Management Areas (DMAs) to collect and convey stormwater to the various on-site Low Impact Development (LID) treatment features, including LID measures located in Parcel M. Once stormwater has passed through the LID treatment measure, the stormwater would be conveyed to the City's existing storm drain system in either Collier Canyon Road or Constitution Drive. Hydromodification measures would be implemented as required by the MRP utilizing the Alameda County Clean Water Program's C.3 Stormwater Technical Guidance Manual.

Requested Entitlements

The proposed project would require the following approvals from the City of Livermore:

- Approval of a Vesting Tentative Map;
- Approval of State Density Bonus Law waivers and concessions;
- Site Plan and Design Review;
- Conditional Use Permit; and
- Consistency Determination.

Figure 8
Preliminary Stormwater Control Plan



DETENTION VAULT SECTION
NOT TO SCALE

STORM WATER TREATMENT SUMMARY

DMA	TOTAL DMA AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	EFFECTIVE IMPERVIOUS AREA (SF)	TREATMENT AREA REQUIRED (SF) 4%	TREATMENT AREA PROVIDED (SF)	TREATMENT TYPE
1	82955	0	82955	8296	–	–	SELF-TREATING[5]
2	253008	127518	82955	135811	5432	5532	BR-2
3	182234	116293	102455	128042	5108	5164	BR-3
4	8932	7748	1184	7865	315	356	BR-4
5	23846	7956	14890	9445	378	386	BR-5
6A	14027	10751	3276	11079	443	443	BR-6A
6B	22218	12058	10160	13074	523	530	BR-6B
7	4130	3255	865	3342	134	135	BR-7

ABBREVIATIONS

BR	BIO-RETENTION AREA DESIGNATION
DMA	DRAINAGE MANAGEMENT AREA
EX	EXISTING
P	PUMP
SD	STORM DRAIN

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		DRAINAGE AREA BOUNDARY
EX SD	12" SD	STORM DRAIN
	P SD	STORM DRAIN
		STORM DRAIN HEAD WALL
		MANHOLE
		STORMWATER PUMP (TREATMENT FLOW ONLY)
		CURB INLET
		FIELD INLET
		AREA DRAIN
		BIO-RETENTION AREA
	DMA 1	DRAINAGE MANAGEMENT AREA LABEL
		DIRECTION OF FLOW WITH STORM DRAIN INSTALLED
		DETENTION VAULT FOR HYDROMODIFICATION MITIGATION

NOTES:
1) DMA 1 DEPENDENT ON FINAL PARK DESIGN FOR BIO-RETENTION LAYOUT.
2) EFFECTIVE IMPERVIOUS AREA CALCULATED IN COMPLIANCE WITH THE ALAMEDA COUNTY C.3 GUIDEBOOK.
   EFFECTIVE IMPERVIOUS AREA = IMPERVIOUS AREA + 0.10 * PERVIOUS SURFACE.
3) REQUIRED BIO RETENTION AREA = 4% OF EFFECTIVE IMPERVIOUS AREA.
4) FUTURE PARK DESIGN MAY REQUIRE ADDITIONAL BIO-RETENTION DEPENDING ON FINAL IMPERVIOUS SURFACE SQUARE FOOTAGE AND OPTION FOR SELF-RETAINING/LID OPPORTUNITIES.
5) LOCATION, SIZE AND SPEC FOR DETENTION VAULT IS SUBJECT TO FINAL DESIGN.

ALTERNATIVE TREATMENT/ DETENTION PLAN

CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: OCTOBER 21, 2024

0 40 80 120

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D. SOURCES

The following documents are referenced information sources used for the purpose of this Initial Study/15182 Checklist:

1. Alameda County Community Development Agency. *Livermore Executive Airport Airport Land Use Compatibility Plan*. August 2012.
2. Alameda Countywide Clean Water Program. *C.3 Stormwater Technical Guidance*. February 8, 2021.
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4. Bay Area Air Quality Management District. *CEQA Thresholds and Guidelines Update*. Available at: https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines. Accessed March 2023.
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8. California Department of Forestry and Fire Protection. *Alameda County, Very High Fire Hazard Severity Zones in LRA*. September 3, 2006.
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10. City of Dublin, City of Livermore, City of Pleasanton, Dublin San Ramon Services District. *Tri-Valley Local Hazard Mitigation Plan*. January 2024.
11. City of Livermore. *Bicycle, Pedestrian, & Trails Active Transportation Plan*. June 11, 2018.
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15. City of Livermore. *Isabel Neighborhood Specific Plan* [pg. 2-33]. Amended November 2022.
16. Cornerstone Earth Group. *Feasibility Evaluation and Preliminary Geotechnical Recommendations Cornerstone Church and Chu Properties Livermore, California*. October 25, 2022.
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20. Fehr & Peers. *Cornerstone Church and Chu Property Residential Development – Transportation Assessment*. January 11, 2023.
21. Governor's Office and Planning and Research. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018.
22. Johnson Marigot Consulting. *Brief Biological Constraints Analysis for the Collier Canyon Parcels – Alameda County, California*. January 2020.
23. Johnson Marigot Consulting, LLC. U.*S. Army Corps of Engineers Aquatic Resource Delineation Report Collier Canyon Parcels Project Alameda County, California*. March 2022.

24. KCE Matrix. *Phase I Environmental Site Assessment – Vacant Land Client Project Identification: Constitution Drive (APNs: 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 & 905-0015-029) 2620 & 2768 Collier Canyon Road Livermore, California 94551*. February 1, 2023.
25. Livermore Amador Valley Transit Authority. *30R Dublin-Livermore via Las Positas College*. August 10, 2024.
26. Native American Heritage Commission. *Cornerstone Townhomes Project, Alameda County*. July 30, 2024.
27. Tom Origer & Associates. *Cultural Resources Study for the Cornerstone Townhomes Project Livermore, Alameda County, California*. August 13, 2024.
28. U.S. Census Bureau. *Quick Facts, City of Livermore, California*. Available at: https://www.census.gov/quickfacts/livermorecitycalifornia. Accessed October 2024.
29. Zone 7 Water Agency. *2015 Urban Water Management Plan* [pg. 6-7]. March 31, 2016.
30. Zone 7 Water Agency. *Groundwater Management Plan for Livermore-Amador Valley Groundwater Basin*. September 2005.

E. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

On the basis of the following Initial Study/15182 Checklist, the City has determined that the proposed project is consistent with the 2018 INSP EIR and/or the 2020 INSP SEIR. All project impacts have been determined to be less than significant, or can be mitigated to a less-than-significant level given required compliance with mitigation measures specified by the 2018 INSP EIR and/or 2020 INSP SEIR. Therefore, none of the environmental factors below are significantly affected.

☐ **Aesthetics**	☐ **Agriculture and Forest Resources**	☐ **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**	☐ **Mineral Resources**
☐ **Noise**	☐ **Population and Housing**	☐ **Public Services**
☐ **Recreation**	☐ **Transportation**	☐ **Tribal Cultural Resources**
☐ **Utilities and Service Systems**	☐ **Wildfire**	☐ **Mandatory Findings of Significance**

F. DETERMINATION

On the basis of this Addendum:

☐ I find that the Proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the Proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the applicant. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the Proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☒ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature	Date
Steve Riley, Planning Manager	City of Livermore
Printed Name	For

G. ENVIRONMENTAL CHECKLIST

The purpose of the comparison is to evaluate the categories in terms of any "**changes**" or "**new information**" that may result in a changed environmental impact evaluation. A "no" answer does not necessarily mean that potential impacts do not exist relative to the environmental category, but that a relevant change would not occur in the condition or status of the impact due to its insignificance or its treatment in a previous environmental document. The following impact evaluation categories will be used to evaluate the proposed project as compared to the INSP EIR and SEIR:

Explanation Of Impact Evaluation Categories

This section describes the organization of the sections for each CEQA Appendix G environmental resource area included in this Initial Study/15182 Checklist.

Where Impact Was Analyzed in the Previous CEQA Documents: This column provides a reference to the page(s) of the INSP EIR and SEIR where information and analysis may be found relative to the environmental issue listed under each topic.

Do Proposed Changes Involve New or More Severe Impacts? Pursuant to Section 15162(a)(1) of the CEQA Guidelines, this column indicates whether the changes represented by the current project would result in new significant impacts that have not already been considered and mitigated by a previous EIR or that substantially increase the severity of a previously identified significant impact. If a "yes" answer is given and new or more severe significant impacts are specified, additional mitigations will be specified in the discussion section including a statement of impact status after mitigation.

Any New Circumstances Involving New or More Severe Impacts? Pursuant to Section 15162(a)(2) of the CEQA Guidelines, this column indicates whether there have been changes to the project site or the vicinity (environmental setting) that have occurred subsequent to the certification of an EIR, which would result in the current project having significant impacts that were not considered or mitigated by that EIR or which substantially increase the severity of a previously identified significant impact.

Any New Information Requiring New Analysis or Verification? Pursuant to Section 15162(a)(3)(A-D) of the CEQA Guidelines, this column indicates whether new information of substantial importance which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental documents were certified as complete is available, requiring an update to the analysis of the previous environmental documents to verify that the environmental conclusions and mitigation measures remain valid. If the new information shows that: (A) the project will have one or more significant effects not discussed in the prior environmental documents; or (B) that significant effects previously examined will be substantially more severe than shown in the prior environmental documents; or (C) that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects or the project, but the project proponents decline to adopt the mitigation measure or alternative; or (D) that mitigation measures or alternatives which are considerably different from those analyzed in the prior environmental documents would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative, the question would be answered 'Yes' requiring the preparation of a subsequent EIR or supplement to the EIR. However, if the additional analysis completed as part of this Environmental Checklist Review finds that the conclusions of the prior environmental documents remain the same and no new significant impacts are identified, or identified significant environmental impacts are not found to be

substantially more severe, the question would be answered 'No' and no additional EIR documentation (supplement to the EIR or subsequent EIR) would be required.

Prior Mitigation Measures

Applicable mitigation measures from the previous CEQA document(s) that apply to the changes or new information are referenced under each environmental category. These mitigation measures follow the numbering scheme of the INSP EIR and SEIR.

I. AESTHETICS. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Have a substantial adverse effect on a scenic vista?	2018 EIR pgs. 3.5-8 to 3.5-10	No	No	No
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	2018 EIR pg. 3.5-14	No	No	No
c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	2018 EIR pg. 3.5-14 to 3.5-15	No	No	No
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	2018 EIR pg. 3.5-15	No	No	No

Discussion

a,c. Examples of typical scenic vistas include mountain ranges, ridgelines, or bodies of water as viewed from a highway, public space, or other area designated for the express purpose of viewing and sightseeing. In general, a project's impact to a scenic vista would occur if development of the project would substantially change or remove a scenic vista. The City's General Plan identifies a number of roadways within the Planning Area that are considered scenic routes. Scenic routes are designated as such because they pass through areas of high scenic value or provide access to important scenic, recreational, cultural, or historic points.[3] Scenic routes identified in the project vicinity include I-580, Doolan Road, and Isabel Avenue. In addition, the General Plan identifies specific scenic vista points throughout the City. Figure 4-1 of the City's General Plan identifies the area looking south from I-580 towards the Las Positas Golf Course as a scenic vista. Figure 2-6 of the INSP includes a scenic viewpoint from I-580 looking northwest toward the project site. As noted therein, the existing riparian corridor of Collier Canyon Creek creates a natural viewshed in the area. Development along the creek is subject to existing Scenic Corridor policies to ensure views of the ridge-lines. According to the INSP, the public park component of the proposed project, located adjacent to Collier Canyon Creek, would enhance the views of ridgelines along the segment of I-580 adjacent to the project site.[4]

As discussed in the ISNP, the project site is subject to existing General Plan Scenic Corridor policies and maximum building height development standards. The Scenic Corridor policy protects key views of the hills from I-580 within the Planning Area. The stretch of freeway through the City is divided into subareas, each with a set of policies that limit building heights. For Subarea 2d, buildings are limited to heights of 50 feet above

[3] City of Livermore. *City of Livermore General Plan 2003-2025*. Amended December 2014.
[4] City of Livermore. *Isabel Neighborhood Specific Plan* [pg. 2-33]. Amended November 2022.

existing grade or the Scenic Corridor limit, whichever is stricter. The townhome component of the proposed project would be constructed with a maximum building height of 40 feet and two inches, which would be below the 50 feet but would exceed the Scenic Corridor height limit set forth in the INSP by approximately 22 feet. The affordable apartment complex component of the proposed project would result in a maximum building height of 61 feet and one inch (with a few architectural features up to 71 feet), which is greater than 50 feet and would exceed the Scenic Corridor height limit set forth in the INSP by approximately 10 feet. However, as allowed under State Density Bonus Law (Government Code Sections 65915 through 65918), the project applicant is requesting waivers and concessions to exceed the Performance Measure maximum building height. With the exception of the requested waivers and concessions allowed under the State Density Bonus Law, the proposed project would otherwise meet the development standards set forth for the site.

Most subareas within the INSP area establish a "view angle" below which buildings must be located. The view angle runs perpendicular (90 degrees) from the freeway and starts four feet above the outermost lane of the I-580 freeway as of 2008. In addition to building height limits, the Scenic Corridor Policy also limits ground contour changes.

The 2018 INSP EIR concluded that a significant and unavoidable impact would occur related to scenic vistas. The project site is not located within an area identified in the INSP for amendments to the I-580 Scenic Corridor policies; thus, the proposed project would normally need to comply with all applicable I-580 Scenic Corridor policies. However as stated earlier, the applicant is requesting the use of Density Bonus waivers and concessions to exceed the INSP height limitations for this project.

In addition, the 2018 INSP EIR evaluated the potential for development of the INSP area to degrade the existing visual character or quality of the site and its surroundings. As discussed therein, the INSP would enhance the visual character of the existing area with well-designed urban development through compliance with the INSP development standards and guidelines related to building height, setbacks, architecture, and landscaping. Thus, impacts were determined to be less than significant.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts related to scenic vistas or substantial degradation of visual character or quality of the site and its surroundings than were previously analyzed in the 2018 INSP EIR. The project site is currently vacant and undeveloped. However, development of the townhomes and public park component of the proposed project would be subject to Site Plan and Design Review pursuant to Section 9.07.020 of the City's Development Code. Chapter 9.07 of the City's Development Code specifies that the purpose of Site Plan and Design Review "is to provide a process for the appropriate review of construction and development projects." As part of the design review process, the project would be reviewed for conformance with the City of Livermore INSP and Citywide Design Standards and Guidelines, which include provisions related to architectural design, landscaping, exterior materials, and compatibility with existing uses.[5] Compliance with such would ensure consistency with all applicable policies and guidelines related to visual resources in the project vicinity. With respect to the affordable apartments component of the proposed project, as discussed above, the project applicant is requesting waivers and concessions to exceed the Performance Measure maximum building height, as allowed under State Density Bonus Law (Government Code Sections

[5] City of Livermore. *Design Standards and Guidelines*. Adopted June 28, 2004.

65915 through 65918). All required development standards would be met, upon approval from the City of Livermore of State Density Bonus Law waivers and concessions, and all design requirements would be fulfilled. Given that State law supersedes local ordinance, the proposed project's use of State Density Bonus Law to waive the INSP Scenic Corridor Policy requirements related to building height and setback requirements does not result in a Specific Plan inconsistency.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

b. According to the California Scenic Highway Mapping System, the project site is not located within the vicinity of an officially designated State Scenic Highway.[6] I-580, located south of the project site, is an Eligible State Scenic Highway, but has not been officially designated. The 2018 INSP EIR determined that implementation of the INSP and associated General Plan amendments would not result in a significant impact to scenic vistas along I-580. Based on the above information, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the INSP 2018 EIR.

d. Due to the undeveloped nature of the project site, existing sources of light and glare do not currently exist within the site. However, the 2018 INSP EIR determined that a number of existing light sources are located within the INSP Planning Area, including street lights, buildings, and vehicles.

Development of the project site with residential uses, park uses, and internal roadways would involve sources of light and glare associated with interior light spilling through windows, vehicle headlights entering and exiting the project site, exterior lighting on the proposed structure, and associated with the internal drive aisles, and light reflected off windows. However, the INSP identifies the 13-acre project site as Residential Village, Residential Center, and Open Space, which assumes the development of a residential uses. As a result, such sources of light and glare would be consistent with the type of lighting anticipated for the project site.

The Livermore General Plan contains policies for controlling outdoor artificial light, including Objective LU-6.1 Policy 3, and Chapter 15.18 of the Livermore Municipal Code includes lighting regulations for residential areas. The 2018 EIR concluded that compliance with the aforementioned policies would reduce potentially significant long-term light and glare impacts, and INSP design standards would further help to ensure that lighting for new development is held to high design standards for light pollution and glare reduction. Specifically, INSP DS-90 requires lighting to be designed and shielded to direct light downward to minimize glare onto adjacent areas, avoid light impact to upper story living spaces, and minimize night-sky light pollution.

Furthermore, through the City's Site Plan and Design Review process, the proposed project would be reviewed for consistency with the City's Design Standards and

[6] California Department of Transportation. *California Scenic Highway Mapping System.* Available at: https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa. Accessed March 2023.

Guidelines.[7] Section F, Lighting, of Chapter 4 of the City's Design Standards and Guidelines contains specific restrictions to ensure that the design of fixtures and the light provided contributes to the character of development and does not adversely affect adjacent development. Pursuant to Section 5.1.1 of the Guidelines, area lighting should be designed so as to avoid light being directed off-site. In addition, Section 2.1.4 states that lighting should be directed downward to avoid lighting of the night sky. Compliance with the foregoing sections of the City's Design Standards and Guidelines and INSP would ensure that lighting from the proposed project would not be directed off-site, and would not adversely affect the business park development around the site. Therefore, the proposed project would not create a new source of substantial light or glare which would adversely affect day or nighttime views in the area.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe impacts than were previously analyzed in the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

[7] City of Livermore. *Design Standards and Guidelines*. Adopted June 28, 2004.

II. AGRICULTURE AND FORESTRY RESOURCES. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping Program of the California Resources Agency, to non-agricultural use?	2018 EIR pgs. 3.14-6 to 3.14-7	No	No	No
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	2018 EIR pg. 3.14-7	No	No	No
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	2018 EIR pg. 3.15-1	No	No	No
d. Result in the loss of forest land or conversion of forest land to non-forest use?	2018 EIR pg. 3.15-1	No	No	No
e. Involve other changes in the existing environment which, due to their location or nature, could individually or cumulatively result in loss of Farmland to non-agricultural use?	2018 EIR pg. 3.14-8	No	No	No

Discussion

a. Active agricultural land use accounts for approximately two percent of the INSP existing land use. Areas of Prime and Unique Farmland are located along East Airway Boulevard, and areas of Unique Farmland and Farmland of Statewide Important are located along the northwestern edge of the Planning Area, at the northern end of Constitution Drive and the northernmost portion of the lands designated as Business Park and Residential Transition under the INSP.

Overall, the 2018 INSP EIR determined that buildout of the INSP would result in the full conversion and loss of this Prime Farmland. INSP Policies P-LU-21 through -24 would reduce the significant impact by requiring compensatory mitigation. However, as full implementation of the INSP would rely on the conversion of the Prime Farmland on the Gandolfo property to non-agricultural use, mitigation is not available that would reduce impacts to a level that is less than significant, and the impact was determined to be significant and unavoidable.

Currently, the project site is generally undeveloped and contains trees and grassland. The site is largely characterized by ruderal habitat. According to the Phase I Environmental Site Assessment (ESA) prepared for the proposed project, the project site was previously used for agriculture until at least 1982. However, as shown in Figure 3.14-1 of the 2018 INSP EIR, the California Department of Conservation Farmland Mapping and Monitoring Program designates the project site as Urban and Built-Up Land. Prime Farmland is not

mapped on-site. Urban and Built-up Land is used for residential, industrial, commercial, institutional, and other developed purposes. Therefore, the proposed project would not involve conversion of Farmland, as shown on the maps prepared pursuant to the Farmland Mapping Program of the California Resources Agency or identified in the 2018 INSP EIR, to non-agricultural use.

Based on the above, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

b. According to the 2018 INSP EIR, existing Williamson Act contracts are not located within the INSP planning area at the time the 2018 INSP EIR was drafted. However, one zoning district, PDR-01-001, in the INSP area allows for agriculture uses. The INSP designated both parcels as Transition Residential, which does not allow for agricultural uses. Thus, the 2018 INSP EIR determined that a significant and unavoidable impact related to zoning for agricultural use would occur, and mitigation measures that would reduce the impact to a less than significant level do not exist.

None of the land within the project site is currently held under Williamson Act contracts. Additionally, the project site is designated INSP Subarea 2d and is zoned INSP. The site is not zoned for agricultural use. Furthermore, according to the Specific Plan, the City has designated the site for residential and open space uses. Therefore, buildout of the proposed project would not conflict with agricultural zoning. As such, the currently proposed project would have no impacts related to conflicts with a Williamson Act contract or agricultural zoning.

Based on the above, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

c,d. The 2018 INSP EIR determined that the Planning Area does not have forest resources or land zoned for forest use, and the INSP would have no impact on forest resources. The project site is not considered forest land (as defined in PRC section 12220[g]), timberland (as defined by PRC section 4526), and is not zoned Timberland Production (as defined by Government Code section 51104[g]). As noted above, the project site is currently zoned INSP. Therefore, the proposed project would have no impact with regard to conversion of forest land or any potential conflict with forest land, timberland, or Timberland Production zoning. The currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

III. AIR QUALITY. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Conflict with or obstruct implementation of the applicable air quality plan?	2018 EIR pgs. 3.3-20 to 3.3-32 2020 SEIR pgs. 3.1-22 to 3.1-43	No	No	No
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	2018 EIR pgs. 3.3-33 to 3.3-43 2020 SEIR pgs. 3.1-43 to 3.1-45	No	No	No
c. Expose sensitive receptors to substantial pollutant concentrations?	2018 EIR pg. 3.3-44 2020 SEIR pgs. 3.1-45 to 3.1-50	No	No	No
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	2018 EIR pgs. 3.3-46 to 3.3-47 2020 SEIR pgs. 3.1-50 to 3.1-52	No	No	No

Discussion

a,b. The City of Livermore is located in the San Francisco Bay Area Air Basin (SFBAAB), which is under the jurisdiction of the Bay Area Air Quality Management District (BAAQMD). The 2020 INSP SEIR assessed the potential for the INSP to conflict with the BAAQMD 2017 Clean Air Plan and determined that the INSP could result in conflicting population and employment growth. However, per capita emissions in the INSP area in 2040 would be lower than forecasted under the 2017 Clean Air Plan, as the 2017 Clean Air Plan would not have assumed the sustainability policies and transit-oriented development patterns that would be implemented under the INSP, and a less-than-significant impact would occur. The currently proposed project would be consistent with the project site's INSP land use designation and would adhere to all applicable INSP policies. As such, the proposed project would not conflict with or obstruct implementation of the applicable air quality plan.

The 2020 INSP SEIR assessed the potential for buildout of the INSP to result in impacts related to the generation of temporary, short-term construction-related emissions of criteria air pollutants, and the generation of long-term operational emissions of criteria pollutants. According to the 2020 INSP SEIR, construction emissions generated in the INSP area by implementation of the INSP would result in a potentially significant impact on air quality. INSP Policy PENV-15 requires the use of Tier 4 engines for off-road equipment to reduce Nitrogen Oxides (NO_X) and particulate matter (PM) exhaust emission levels and use of low volatile organic compound (VOC) paints to reduce Reactive Organic Gasses (ROG) emission levels during construction activities. Additionally, INSP Policy P-ENV-14 requires construction projects to implement best management practices (BMPs) as recommended by the BAAQMD to reduce fugitive dust emissions. Thus, the implementation of BMPs under Policies P-ENV14 and P-ENV-15 would reduce fugitive

PM 2.5 microns in diameter ($PM_{2.5}$) and particulate matter 10 microns in diameter (PM_{10}) emissions to less-than-significant levels.

However, with respect to ROG, NO_X and PM_{10} and $PM_{2.5}$ exhaust emissions, the INSP EIR determined that construction activity for an individual development project, or a combination of projects, could result in the generation of pollutant emissions that exceed the respective BAAQMD significance thresholds (see Table 1)

Table 1
BAAQMD Thresholds of Significance

Pollutant	Construction	Operational	
	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/day)	Maximum Annual Emissions (tons/year)
ROG	54	54	10
NO_x	54	54	10
PM_{10}	82 (exhaust only)	82	15
$PM_{2.5}$	54 (exhaust only)	54	10

Source: BAAQMD, CEQA Guidelines, May 2017.

To ensure impacts related to construction emissions would be less than significant, the 2020 INSP SEIR included Mitigation Measures AQ-1, AQ-2, and AQ-3, which require offroad equipment to utilize renewable diesel; all on-road diesel trucks used for construction activities to have 2010 model year or newer engines; and the City shall track all land use development construction activities occurring in the INSP area, assess and determine the estimated total emissions for all construction activities that would be concurrently ongoing, and determine the mitigation fees for each development project to pay on a pro rata basis to BAAQMD to offset their pollutant emissions as necessary such that daily pollutant thresholds would not be exceeded. The 2020 INSP SEIR concluded that with implementation of the aforementioned mitigation measures, impacts related to construction emissions would be less than significant.

With regard to operational emissions, based on the emissions presented in Table 3.1-7 of the 2020 INSP SEIR, the SEIR determined that INSP generated automobile traffic would incrementally increase air pollutant emissions in the region beyond the applicable BAAOMD thresholds of significance for PM_{10} and $PM_{2.5}$. The 2020 INSP SEIR included Mitigation Measure GHG-1, which establishes strategies to reduce vehicle miles traveled (VMT). However, the 2020 INSP SEIR concluded that Mitigation Measure GHG-1 would not reduce emissions of PM_{10} to below the applicable threshold. Therefore, impacts on regional air quality were determined to remain significant and unavoidable.

The SFBAAB area is currently designated as a nonattainment area for the State and federal ozone, State and federal $PM_{2.5}$, and State respirable PM_{10} ambient air quality standards (AAQS). The SFBAAB is designated attainment or unclassified for all other AAQS. It should be noted that on January 9, 2013, the U.S. Environmental Protection Agency (USEPA) issued a final rule to determine that the Bay Area has attained the 24-hour $PM_{2.5}$ federal AAQS. Nonetheless, the Bay Area must continue to be designated as nonattainment for the federal $PM_{2.5}$ AAQS until such time as the BAAQMD submits a redesignation request and a maintenance plan to the USEPA, and the USEPA approves the proposed redesignation. The USEPA has not yet approved a request for redesignation of the SFBAAB; therefore, the SFBAAB remains in nonattainment for 24-hour $PM_{2.5}$.

In compliance with regulations, due to the nonattainment designations of the area, the BAAQMD periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the AAQS, including control strategies to reduce air pollutant emissions through regulations, incentive programs, public education, and partnerships with other agencies. The current air quality plans are prepared in cooperation with the Metropolitan Transportation Commission and the Association of Bay Area Governments (ABAG).

The most recent federal ozone plan is the 2001 Ozone Attainment Plan, which was adopted on October 24, 2001 and approved by the California Air Resources Board (CARB) on November 1, 2001. The plan was submitted to the USEPA on November 30, 2001 for review and approval. The most recent State ozone plan is the 2017 Clean Air Plan, adopted on April 19, 2017. The 2017 Clean Air Plan was developed as a multi-pollutant plan that provides an integrated control strategy to reduce ozone, PM, toxic air contaminants (TACs), and greenhouse gases (GHGs). Although a plan for achieving the State PM_{10} standard is not required, the BAAQMD has prioritized measures to reduce PM in developing the control strategy for the 2017 Clean Air Plan. The control strategy serves as the backbone of the BAAQMD's current PM control program.

The aforementioned air quality plans contain mobile source controls, stationary source controls, and transportation control measures to be implemented in the region to attain the State and federal AAQS within the SFBAAB. Adopted BAAQMD rules and regulations, as well as the thresholds of significance, have been developed with the intent to ensure continued attainment of AAQS, or to work towards attainment of AAQS for which the area is currently designated nonattainment, consistent with applicable air quality plans. The BAAQMD's established significance thresholds associated with development projects for emissions of the ozone precursors ROG and NO_X, as well as for PM_{10}, and $PM_{2.5}$, expressed in pounds per day (lbs/day) and tons per year (tons/yr), are listed above in Table 1.

By exceeding the BAAQMD's mass emission thresholds for operational emissions of ROG, NO_X, PM_{10}, or $PM_{2.5}$, a project would be considered to conflict with or obstruct implementation of the BAAQMD's air quality planning efforts.

Particulate matter can be split into two categories: fugitive and exhaust. The BAAQMD thresholds of significance for exhaust are presented in Table 1. BAAQMD does not maintain quantitative thresholds for fugitive emissions of PM_{10} or $PM_{2.5}$, rather, BAAQMD requires all projects within the district's jurisdiction to implement Basic Construction Mitigation Measures (BCMMs) related to dust suppression.

In order to compare the proposed project's emissions to the most recent BAAQMD thresholds, air quality modeling was conducted for the proposed project. The proposed project's construction and operational emissions were quantified using the California Emissions Estimator Model (CalEEMod) web-based version 2022.1.1.26 – a statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify air quality emissions, including GHG emissions, from land use projects. The model applies inherent default values for various land uses, including construction data, trip generation rates, vehicle mix, trip length, average speed, compliance with the California Building Standards Code (CBSC), etc. Where project-specific information is available, such information is applied in the model. For the proposed project, project-specific trip generation rates provided by Fehr & Peers

were input into the model,[8] as well as information related to the anticipated construction schedule for the proposed project. In addition, the modeling assumed that the grading phase of construction would require the import of approximately 19,500 cubic yards (CY) of material and removal of approximately 11,200 CY of material from the site. All CalEEMod results are included as Appendix A to this Initial Study/15182 Checklist.

The proposed project's estimated emissions associated with construction and operations are presented and discussed in further detail below. A discussion of the proposed project's contribution to cumulative air quality conditions is provided below as well.

Construction Emissions

According to the CalEEMod results, the proposed project would result in maximum unmitigated construction criteria air pollutant emissions as shown in Table 2. As shown in the table, the proposed project's construction emissions would be below the applicable thresholds of significance for ROG, NO_X, PM_{10}, and $PM_{2.5}$.

Table 2
Maximum Unmitigated Construction Emissions (lbs/day)

Pollutant	Proposed Project Emissions	Threshold of Significance	Exceeds Threshold?
ROG	11.1	54	**NO**
NO_X	51.4	54	**YES**
PM_{10}*	1.57	82	**NO**
$PM_{2.5}$*	1.47	54	**NO**

Note:
* Denotes emissions from exhaust only. BAAQMD has not yet adopted PM thresholds for fugitive emissions.

Source: CalEEMod, October 2024 (see Appendix A).

All projects under the jurisdiction of the BAAQMD are required to implement all of the BAAQMD's BCMMs, which include the following:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 mph.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to five minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.

[8] Fehr & Peers. *Cornerstone Church and Chu Property Residential Development – Transportation Assessment*. January 11, 2023.

7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified visible emissions evaluator.
8. Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

The proposed project's required implementation of the BAAQMD's BCMMs listed above would further reduce the construction-related emissions.

Based on the above, impacts related to construction-generated criteria air pollutant emissions of would be less-than-significant.

Operational Emissions

According to the CalEEMod results, the proposed project would result in maximum unmitigated operational criteria air pollutant emissions as shown in Table 3. As shown in the table, the proposed project's operational emissions would be below the applicable thresholds of significance.

Because the proposed project's operational emissions would be below the applicable thresholds of significance, the proposed project would not be considered to result in a potentially significant air quality impact during operations. It should also be noted that because Mitigation Measure GHG-1 of the 2020 INSP SEIR establishes measures for individual development projects, Mitigation Measure GHG-1 of the 2020 INSP SEIR would still be applicable to the proposed project.

Table 3
Unmitigated Maximum Operational Emissions

Pollutant	Proposed Project Emissions		Threshold of Significance		Exceeds Threshold?
	lbs/day	tons/yr	lbs/day	tons/yr	
ROG	17.8	3.07	54	10	**NO**
NO_X	4.98	0.96	54	10	**NO**
PM_{10}*	0.17	0.03	82	15	**NO**
$PM_{2.5}$*	0.17	0.03	54	10	**NO**

Note:
* Denotes emissions from exhaust only. BAAQMD has not yet adopted PM thresholds for fugitive emissions.

Source: CalEEMod, October 2024 (see Appendix A).

Cumulative Emissions

Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By nature, air pollution is largely a cumulative impact. A single project is not sufficient in size to, by itself, result in nonattainment of AAQS. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant. In developing thresholds of significance for air pollutants, BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. The thresholds of significance presented in Table 1 represent the levels at which a project's

individual emissions of criteria air pollutants or precursors would result in a cumulatively considerable contribution to the SFBAAB's existing air quality conditions. If a project exceeds the significance thresholds presented in Table 1, the proposed project's emissions would be cumulatively considerable, resulting in significant adverse cumulative air quality impacts to the region's existing air quality conditions. The proposed project would be below all applicable thresholds for criteria pollutants during both construction and operation. In addition, the proposed project would be required to comply with additional 2020 INSP SEIR Mitigation Measures AQ-1, AQ-2, and AQ-3, as presented below, which would ensure all impacts related to construction-generated criteria air pollutant emissions of ROG, NO_X, PM_{10}, and $PM_{2.5}$ would be reduced.

Conclusion

Based on the above, the proposed project would not result in new significant impacts or substantially more severe significant impacts related to exposure to substantial pollutant concentrations than were analyzed in the 2020 INSP SEIR. Therefore, the proposed project remains consistent with the conclusions of the 2020 INSP SEIR.

c. The major pollutant concentrations of concern are toxic air contaminant (TAC) emissions and localized CO emissions, which are addressed in further detail below.

TAC Emissions

Another category of environmental concern is TACs. The CARB's *Air Quality and Land Use Handbook: A Community Health Perspective* (Handbook) provides recommended setback distances for sensitive land uses from major sources of TACs, including, but not limited to, freeways and high traffic roads, distribution centers, and rail yards. The CARB has identified diesel particulate matter (DPM) from diesel-fueled engines as a TAC; thus, high volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic are identified as having the highest associated health risks from DPM. Health risks from TACs are a function of both the concentration of emissions and the duration of exposure. Health-related risks associated with DPM in particular are primarily associated with long-term exposure and associated risk of contracting cancer.

The 2020 INSP SEIR determined that a significant and unavoidable impact would occur related to health impacts from TAC exposure due to increased vehicle traffic, potential installation or operation of new stationary sources of TACs, and construction activities. The nearest sensitive receptor to the project site is the Lily of the Valley Early Elementary and Preschool, located within the existing building to the west of the project site, at the southwest corner of North Canyons Parkway and Independence Drive. However, the nearest area proposed for on-site disturbance associated with project construction is located over 1,000 feet from the outdoor play areas associated with Lily of the Valley Early Elementary and Preschool. In addition, construction activities associated with the proposed project would be separated from nearby sensitive receptors by existing development and vegetation. Thus, Mitigation Measure AQ-4 of the 2020 INSP SEIR, which requires future projects located within 1,000 feet of existing sensitive receptors to perform a Construction Health Risk Assessment, would not be applicable to the proposed project.

The proposed residential units, public park, and open space associated with the proposed project would not involve any land uses or operations that would be considered major sources of TACs, including DPM. As such, the project would not generate any substantial pollutant concentrations during operations. Short-term, construction-related activities

could result in the generation of TACs, specifically DPM, from on-road haul trucks and off-road equipment exhaust emissions. Construction is temporary and occurs over a relatively short duration in comparison to the operational lifetime of the proposed project. Health risks are typically associated with exposure to high concentrations of TACs over extended periods of time (e.g., 30 years or greater), whereas the construction period associated with the proposed project would likely be limited to approximately four years.

All construction equipment and operation thereof would be regulated per the In-Use Off-Road Diesel Vehicle Regulation, which is intended to help reduce emissions associated with off-road diesel vehicles and equipment, including DPM. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources. In addition, construction equipment would operate intermittently throughout the day and only on portions of the site at a time.

Because construction equipment on-site would not operate for long periods of time and would be used at varying locations within the site, associated emissions of DPM would not occur at the same location (or be evenly spread throughout the entire project site) for long periods of time. Due to the temporary nature of construction and the relatively short duration of potential exposure to associated emissions, the potential for any one sensitive receptor in the area to be exposed to concentrations of pollutants for a substantially extended period of time would be low. Therefore, construction of the proposed project would not be expected to expose nearby sensitive receptors to substantial pollutant concentrations.

Based on the above, the proposed project would not result in new significant impacts or substantially more severe significant impacts related to the exposure of sensitive receptors to operational emissions beyond what was analyzed in the 2020 INSP SEIR.

Localized CO Emissions

Emissions of CO result from the incomplete combustion of carbon-containing fuels such as gasoline or wood and are particularly related to traffic levels. Localized concentrations of CO are related to the levels of traffic and congestion along streets and at intersections. As older, more polluting vehicles are retired and replaced with newer, cleaner vehicles, the overall rate of emission of CO for vehicle fleets throughout the State has been and is expected to continue to decrease.

Under existing and future vehicle emission rates, a plan would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour or 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited by bridges or tunnels in order to generate a significant CO impact. According to the 2020 INSP SEIR, implementation of the INSP would increase traffic volumes at a single intersection up to 18,800 vehicles per day (North Canyons Parkway west of Gateway Drive), and would result in up to 27,965 vehicles per day where a road does not currently exist (Isabel Avenue south of Valley Link Parking Road/Access). Additionally, traffic volumes along segments of the I-580 within the INSP area would increase up to 29,282 vehicles per day under the INSP. Implementation of the INSP would increase peak hour AM and PM traffic volumes at a single intersection by less than 1,780 vehicles per hour and 2,111 vehicles per hour, respectively. In addition, implementation of the INSP was determined to significantly decrease daily operational emissions of CO from mobile sources, counteracting a slight increase in CO from area and energy sources in 2040. Therefore,

the 2020 INSP SEIR concluded that impacts related to CO emissions would be less than significant.

As discussed throughout this Initial Study/15182 Checklist, the proposed project would be constructed within the footprint of the previously analyzed INSP. Moreover, the INSP identifies the project site as Residential Village, Residential Center, and Open Space, which assumed the development of residential and open space/park uses. As such, traffic generated by the proposed project, and associated CO emissions, were previously anticipated within the 2020 INSP SEIR.

Accordingly, the proposed project would not result in new significant impacts or substantially more severe significant impacts related to localized CO concentrations or other emissions from vehicles on roadways or intersections in the vicinity of the project site.

Conclusion

Based on the above information, the proposed project would not result in new significant impacts or substantially more severe significant impacts related to exposure to substantial pollutant concentrations than were analyzed in the 2020 INSP SEIR. Therefore, the proposed project remains consistent with the conclusions of the 2020 INSP SEIR.

d. Emissions of concern include those leading to odors, emission of dust, or emissions considered to constitute air pollutants. Air pollutants and emissions of dust have been discussed in sections “a” through “c” above. Therefore, the following discussion focuses on emissions of odors.

The 2020 INSP SEIR noted that while the INSP would include development of odor-generating uses, such uses would be located only in areas zoned for industrial or manufacturing uses, which would minimize impacts associated with odor nuisance. Furthermore, the INSP also contains Design Standard DS-37, which minimizes potential nuisances including odors from the siting of new uses next to existing uses, and DS-46, which promotes locating loading and service entrances such that noise and odor impacts on nearby uses would be minimized. Additionally, given mandatory compliance with BAAQMD rules, construction activities or materials are not proposed that would create a significant level of objectionable odors. Accordingly, the INSP concluded that odor impacts would be less than significant.

According to the BAAQMD CEQA Guidelines, odors are generally regarded as an annoyance rather than a health hazard.[9] Manifestations of a person’s reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The presence of an odor impact is dependent on a number of variables including: the nature of the odor source; the frequency of odor generation; the intensity of odor; the distance of odor source to sensitive receptors; wind direction; and sensitivity of the receptor.

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, quantitative analysis to determine the presence of a significant odor impact is difficult. Typical odor-generating

[9] Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines* [pg. 7-1]. May 2017.

land uses include, but are not limited to, wastewater treatment plants, landfills, and composting facilities. The proposed project would not introduce any such land uses and is not located in the vicinity of any such existing or planned land uses.

Construction activities often include diesel-fueled equipment and heavy-duty trucks, which could create odors associated with diesel fumes that may be considered objectionable. However, construction activities would be temporary, and hours of operation for construction equipment would be restricted per Section 9.36.080 of the Municipal Code. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources. The aforementioned regulations would help to minimize emissions, including emissions leading to odors. Accordingly, substantial objectionable odors would not be expected to occur during construction activities.

It should be noted that BAAQMD regulates objectionable odors through Regulation 7, Odorous Substances, which does not become applicable until the Air Pollution Control Officer (APCO) receives odor complaints from ten or more complainants within a 90-day period. Once effective, Regulation 7 places general limitation on odorous substances and specific emission limitations on certain odorous compounds, which remain effective until such time that citizen complaints have been received by the APCO for one year. The limits of Regulation 7 become applicable again when the APCO receives odor complaints from five or more complainants within a 90-day period. Thus, although not anticipated, if odor complaints are made after the proposed project is developed, the BAAQMD would ensure that such odors are addressed and any potential odor effects reduced to less than significant.

As noted previously, all projects under the jurisdiction of BAAQMD are required to implement the BAAQMD's BCMMs. The aforementioned measures would act to reduce construction-related dust by ensuring that haul trucks with loose material are covered, reducing vehicle dirt track-out, and limiting vehicle speeds within project site, among other methods, which would ensure that construction of the proposed project does not result in substantial emissions of dust. Following project construction, most areas of the project site would be paved or landscaped.

Based on the above, the proposed project would not result in new significant impacts or substantially more severe significant impacts related to exposure to substantial pollutant concentrations than were analyzed in the 2020 INSP SEIR. Therefore, the proposed project remains consistent with the conclusions of the 2020 INSP SEIR.

Prior Mitigation Measures

As previously discussed, MM-AQ-4 would not be applicable to the proposed project. The following mitigation measure(s) from the 2020 INSP SEIR would apply to the proposed project, as well as MM-GHG-1 as presented in Section VIII, Greenhouse Gas Emissions, of this Initial Study/15182 Checklist:

MM-AQ-1: Require Construction Fleet to Use Renewable Diesel. All applicants proposing development of projects within the Planning Area shall require their contractors, as a condition of contract, to reduce construction-related exhaust emissions by ensuring that all off-road equipment operating for more than 20 total hours over the entire duration of construction activities shall operate on renewable diesel (such as Diesel high performance renewable). Renewable diesel is currently commercially available in San Francisco Bay Area.

MM-AQ-2: Require Use of Diesel Trucks with 2010-Compliant Model Year Engines. All applicants proposing development of projects within the Planning Area shall require their contractors, as a condition of contract, to use diesel trucks that have 2010 model year or newer engines. In the event that 2010 model year or newer diesel trucks cannot be obtained, the contractor must provide documentation to the City showing that a good faith effort to locate such engines was conducted.

MM-AQ-3: Require Payment of Mitigation Fees to Offset Emissions Exceeding BAAQMD Daily Pollutant Thresholds.

This mitigation will either be conducted by the City through BAAQMD or by the City itself.

BAAQMD Mitigation Fee Approach

The City shall work with BAAQMD Office of Community Investment and Infrastructure (OCII) to establish City-specific construction emissions offset guidance that can be implemented to assess, determine, and issue mitigation fees that project applicants would be required to pay BAAQMD on a pro rata basis for all concurrently ongoing construction projects in the Planning Area to offset all pollutant emissions exceeding BAAQMD's daily pollutant thresholds. The offset fees will be paid into BAAQMD's Bay Area Clean Air Foundation (Foundation) in an amount to be determined at the time of mitigation.

City Mitigation Fee Approach

If for any reason providing mitigation fees through BAAQMD is not pursued, then the City shall administer the mitigation funds directly for emissions reductions. The offset mitigation program shall follow the BAAQMD Guidance for Lead Agencies to Develop and Offset Mitigation Program (BAAQMD 2012). The offset fees with this approach will be paid into the City's mitigation program in an amount to be determined at the time of mitigation. This mitigation (AQ-3) does not apply if builder contractor documents show they will not exceed BAAQMD/s daily pollutant thresholds.

This mitigation (AQ-3) does not apply if builder/contractor documents show they will not exceed BAAQMD's daily pollutant threshold.

Specific Requirements

This mitigation includes the following specific requirements:

- For all construction projects occurring in the Planning Area, the applicants for each project shall require their construction contractors to estimate annual construction activity monitoring data for the following year. All applicants shall submit their estimated construction-related emissions to the City for review by November 1 of each year for the following construction year.
- The City shall review all received construction estimates to ensure they are representative, total the emissions estimates for all construction projects that had activities that would be ongoing during the following construction year, and determine the total mitigation fee that would need to be submitted to BAAQMD to fund offsets for the portion of annual emissions that exceed BAAQMD's average daily thresholds for criteria pollutants.
- In light of the total mitigation fee that was determined, and based on the construction emission amounts submitted by each applicant, the City shall appropriate the mitigation fee amount that would need to be submitted by each project applicant on a pro rata basis.

The City shall issue the required mitigation fee amounts to each applicable project applicant.

- Upon receiving the City's assigned mitigation fee amount, the applicants shall enter into a construction mitigation contract with BAAQMD to submit their apportioned mitigation fees or enter into an agreement with the City to submit their apportioned mitigation fees.

Examples of Potential Offset Actions

There are a wide range of feasible actions to offset emissions (through BAAQMD or the City) including, but not limited to, the following:

- Retrofitting and/or replacing heavy duty diesel engines and trucks (on or off road) with new, cleaner engines and trucks.
- Retrofitting stationary sources such as backup generators or boilers with new technologies that reduce emissions.
- Replacing diesel agriculture water pumps with alternative fuels.
- Fund projects within a jurisdiction's adopted bicycle/pedestrian plans.
- Replace non-EPA wood burning devices with natural gas or EPA approved fireplaces.
- Provide energy efficiency upgrades at residential, commercial, or government buildings. • Electrification of loading docks at distribution warehouses.
- Install alternative energy supply on buildings.
- Replace older landscape maintenance equipment with newer, lower-emission equipment.

IV. BIOLOGICAL RESOURCES. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	2018 EIR pgs. 3.7-26 to 3.7-35	No	No	No
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	2018 EIR pgs. 3.7-35 to 3.7-37	No	No	No
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	2018 EIR pgs. 3.7-37 to 3.7-39	No	No	No
d. Interfere substantially with the movement of any resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors, or impede the use of wildlife nursery sites?	2018 EIR pg. 3.7-39	No	No	No
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	2018 EIR pg. 3.7-40	No	No	No
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan?	2018 EIR pg. 3.7-39	No	No	No

Discussion

a. The 2018 INSP EIR analyzed the potential for buildout of the INSP to substantially impact a candidate, sensitive, or special-status plant or wildlife species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or U.S. Fish and Wildlife Service (USFWS). According to the 2018 INSP EIR, future development within the INSP area would have the potential to affect habitat suitable for a number of special-status species. Existing habitat within the INSP area includes California annual grassland, mixed willow riparian scrub, ruderal (e.g., vacant fields), seasonal wetlands, freshwater emergent wetlands, and aquatic riverine and drainage features, which represent suitable habitat for special-status species. Construction associated with future development in the Planning Area could affect special-status plant and wildlife species such as big-scale balsamroot, Congdon's tarplant, prostrate vernal pool navarretia, Callippe silverspot butterfly, vernal pool fairy shrimp, California red-legged frog,

California tiger salamander, western pond turtle, burrowing owl, loggerhead shrike, tricolored blackbird, white-tailed kite, American badger, hoary bat, and Townsend's big-eared bat. The 2018 INSP EIR included MM-BIO-1, which requires a salvage, relocation, or propagation and monitoring plan for special-status plant species, and MM-BIO-2 through -9, which requires avoidance of nesting birds, burrowing owl nesting, tricolored blackbird breeding habitat, western pond turtle, San Joaquin kit fox, American badger, California tiger salamander, California red-legged frog, Callippe silverspot butterfly, and roosting bats where feasible. Therefore, the 2018 INSP EIR concluded that with implementation of the aforementioned mitigation measures and INSP polices, impacts to protected species would be less than significant.

The proposed project's area of impact would be within the footprint of the previously analyzed INSP. As such, impacts to special-status species associated with the proposed project were previously anticipated within the 2018 INSP EIR. Nonetheless, to ensure that additional special-status species have not populated the project site since the 2018 INSP EIR was drafted, a Brief Biological Constraints Analysis was prepared for the proposed project by Johnson Marigot Consulting (see Appendix B).[10]

As part of the Brief Biological Constraints Analysis, a search of published records of special-status plant and wildlife species was conducted using the California Natural Diversity Database (CNDDB). The intent of the database review was to identify documented occurrences of special-status species in the vicinity of the project area, to determine their locations relative to the project site, and for use in the field assessment of habitats suitable for special-status species within the site. On November 22, 2019 a site visit was conducted to determine the potential for the project site to provide suitable habitat for special-status species and sensitive habitats. The results of the database searches and field survey are discussed below.

Special-Status Plants

As noted in the Brief Biological Constraints Analysis, a total of 10 records for special-status plant species have been documented within three miles of the site and/or within the same U.S. Geological Survey (USGS) 7.5' topographic quadrangle (quad) as the project site (Livermore quad), including brittlescale (*Atriplex depressa*), lesser saltscale (*Atriplex minuscula*), big-scale balsamroot (*Balsamorhiza macrolepis*), Congdon's tarplant (*Centromadia parryi* ssp. *congdonii*), palmate- bracted bird's-beak (*Chloropyron palmatum*), San Joaquin spearscale (*Extriplex joaquinana*), prostrate vernal pool navarretia (*Navarretia prostrata*), long-styled sand-spurrey (*Spergularia macrotheca*), saline clover (*Trifolium hydrophilum*), and caper-fruited tropidocarpum (*Tropidocarpum capparideum*).

Three of the aforementioned species require specialized habitats that do not occur on the site such as mesic soils (prostrate vernal pool navarretia and saline clover) and meadows, seeps, marshes, and swamps (long-styled sand-spurrey). As such, the species are not expected to occur onsite. However, the on-site soils, which are considered to be mildly alkaline, provide potentially suitable habitat for the remaining seven species. In the absence of protocol-level rare plant surveys, the presence of special-status plants on the site cannot be ruled out. Rare plant surveys should be conducted during the appropriate season, for these seven species.

[10] Johnson Marigot Consulting. *Brief Biological Constraints Analysis for the Collier Canyon Parcels – Alameda County, California*. January 2020.

It should be noted that the site is within the boundaries of the East Alameda County Conservation Strategy (EACCS) within Conservation Zone (CZ) 4. However, according to maps in Appendix D of the EACCS, the site is not within the range of potential habitat for any plant species covered under the EACCS (i.e., San Joaquin spearscale, recurved larkspur, big tarplant, and Congdon's tarplant).

Special-Status Wildlife

According to the Brief Biological Constraints Analysis, total of six special-status wildlife species have been documented within three miles of the site, inlcuding burrowing owl (*Athene cunicularia*), California red-legged frog (*Rana draytonii*), California tiger salamander (*Ambystoma californiense*), tricolored blackbird (*Agelaius tricolor*), vernal pool fairy shrimp (*Branchinecta lynchi*), and western pond turtle (*Emys marmorata*). Four of the aforementioned species require specialized habitats that do not occur on-site, including vernal pools (vernal pool fairy shrimp), grasslands adjacent to seasonal wetlands/ponds that constitute aquatic breeding habitat (California tiger salamander), wetlands with tall emergent vegetation (tricolored blackbird), and upland habitats with adjacent permanent or nearly permanent water (western pond turtle). However, the potential exists for burrowing owl (California Species of Special Concern) and California red-legged frog (federally threatened and California Species of Special Concern) to occur on-site.

While burrowing owls or evidence of their use of the site was not observed during the site visit, the on-site grasslands support numerous ground squirrel burrows that could provide suitable nesting sites for burrowing owl. Additionally, California red-legged frogs have been documented within Collier Canyon Creek, just 0.2-mile upstream from the project site. While the onsite grasslands are unlikely to be used by the species and the on-site portion of the creek does not provide suitable breeding habitat, the riparian corridor could support dispersing individuals. Lastly, according to the Brief Biological Constraints Analysis, while records for special-status bat species do not exist in the vicinity of the project site, the riparian corridor provides suitable habitat for roosting bats.

Given that trees exist on-site, the potential exists for nesting raptors or migratory birds, including species protected by the Migratory Bird Treaty Act (MBTA), to be present within the site at certain times of year. All nesting raptors and migratory birds, regardless of their status, are protected by State and federal laws. Therefore, construction activities that adversely affect the nesting success of raptors and migratory birds (i.e., lead to the abandonment of active nests) or result in mortality of individual birds constitute a violation of State and federal laws. Thus, project construction-related activities that would occur during the breeding season could result in an adverse effect to species protected under State Fish and Game Code and the MBTA, should such species be present on or adjacent to the project site.

As discussed above, the site is within the boundaries of the EACCS, within Conservation Zone (CZ) 4. However, according to maps in Appendix D of the EACCS, the site is not within the range of potential habitat for the majority of wildlife species covered under the EACCS (i.e., longhorn fairy shrimp, vernal pool fairy shrimp, Callippe silverspot butterfly, foothill yellow-legged frog, Alameda whipsnake, Central California Coast steelhead, golden eagle, tricolored blackbird, western burrowing owl, American badger, and San Joaquin kit fox). The project site is within the range of potential upland habitat for California tiger salamander and California red-legged frog.

Conclusion

The proposed project would be subject to INSP Policies related to biological resources, as well as applicable 2018 INSP EIR mitigation measures, including MM-BIO-1, which requires a salvage, relocation, or propagation and monitoring plan for special-status plant species, and MM-BIO-2, MM-BIO -3, MM-BIO -7, MM-BIO -9 through -9, which requires avoidance of nesting birds, burrowing owl nesting, California tiger salamander, California red-legged frog, and roosting bats where feasible. As such, the proposed project would not result in new significant impacts or substantially more severe significant impacts than what were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

b,c According to the 2018 INSP EIR, development within the INSP could affect up to one acre of riparian vegetation, both during construction and operations. The changes resulting from future development under the INSP would result in a potentially significant impact on riparian vegetation. However, the 2018 INSP EIR determined that with implementation of INSP polices, and mitigation measures MM-BIO-10 and MM-BIO-11, impacts to riparian habitat would be less than significant.

According to the 2018 INSP EIR, seasonal wetlands, freshwater emergent wetlands, and drainages occur within the INSP area. Such features are expected to be subject to USACE jurisdiction. Additionally, riparian habitat may be subject to USACE jurisdiction and falls under the purview of CDFW. New development associated with the INSP could affect such protected features, both during construction and operation; thus, a potentially significant impact on wetlands and other waters could occur. However, the 2018 INSP EIR determined that with implementation of INSP polices, and mitigation measures MM-BIO-12 and MM-BIO-13, impacts to federally protected wetlands and other waters regulated under Section 404 of the Clean Water Act would be less than significant.

According to the Brief Biological Constraints Analysis, Collier Canyon Creek transects the northern portion of the project site and defines the western boundary of the project site. The riparian corridor associated with the creek is primarily dominated by a dense canopy cover comprised of willow (*Salix lasiandra* and *S. lasiolepis*), coast live oak (*Quercus agrifolia*), Fremont cottonwood (*Populus fremontii*), and black walnut (*Juglans hindsii*). Breaks in the canopy are scattered along the length of the corridor, with understory plants such as beardless wildrye (*Elymus triticoides*), fennel (*Foeniculum vulgare*), and coyote brush (*Baccharis pilularis*) dominating the openings. The intermittent creek was completely dry along the north-south stretch, but had standing water in the upper reaches during the November 22, 2019 site visit. The incised creek channel ranges between 2 and 4-feet-wide at ordinary high water mark (OHWM) and eight and 20-feet-wide at top of bank (TOB). Any proposed modification of Collier Creek, including modification to the bed, banks, or riparian vegetation, would trigger permitting requirements by the CDFW.

Collier Canyon Creek is a jurisdictional water of the U.S. and State. Any modification of Collier Creek, including placement of any fill materials, or modification of the bed, banks, or riparian vegetation, will trigger permitting requirements from the US Army Corps of Engineers (USACE), the Regional Water Quality Control Board (RWQCB), pursuant to the Clean Water Act, and the CDFW, pursuant to California Fish and Game Code (CFGC).

In addition, a single potential seasonal wetland occurs in the southwestern portion of the project site. The topographically low area exhibited 100 percent cover of saltgrass (*Distichlis spicata*), a facultative wetland plant that could indicate the presence of a

jurisdictional seasonal wetland. Due to the ephemeral nature of seasonal wetlands, observation of wetland character is best completed during the winter and spring months. Surveys conducted out of season are limited, and more features may be observed when a formal wetland delineation is completed. In order for wetlands to be jurisdictional, they must meet federal or state standards which typically includes a 3-parameter test (hydrology, soils, vegetation). If the wetland feature is determined to be a regulated water of the U.S. or State, any subsequent fill of the feature would trigger permitting requirements from the USACE and the RWQCB.

According to the Aquatic Resource Delineation report prepared for the proposed project, (see Appendix C)[11] a total of 513 linear feet and 0.18-acre of potential wetland and non-wetland waters of the U.S. and State are present in the project site, as well as 1.02 acres of CDFW-regulated riparian zones. All delineated wetland and non-wetland waters are assumed to be subject to USACE and RWQCB jurisdiction for the purposes of the proposed project, and all delineated streams, wetlands, and riparian zones are assumed to be subject to CDFW jurisdiction.

The currently proposed project's area of impact is within the previously analyzed area of impact of the 2018 INSP EIR. In addition, the proposed project would be subject to applicable INSP policies and mitigation measures, which would require compensation of jurisdictional wetlands and non-wetland waters. Therefore, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. As such, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

d. According to the 2018 INSP EIR, given the surrounding network of existing developed parcels and roads, existing human activity and visitation, and existing human and vehicle noise, the INSP area does not likely serve as a habitat corridor; thus, further development projects within the INSP is not anticipated to significantly block or interfere with wildlife species movement. As a result, the 2018 INSP EIR concluded that impacts would be less than significant.

The project site is located in an urbanized area and is bordered by existing roadways to the south and east and commercial development to the north. While the Collier Canyon Creek is located adjacent to the western border of the project site, the 2018 INSP EIR noted that Collier Canyon Creek is fragmented by multiple road crossings, and, therefore does not likely serve as a wildlife corridor due to the presence of human activity and noise. As such, the project would not interfere substantially with the movement of any resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors, or impede the use of wildlife nursery sites.

Based on the above, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. As such, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

e. According to the 2018 INSP EIR, implementation of future projects within the INSP area may result in the removal of trees subject to the City of Livermore's jurisdiction. The City

[11] Johnson Marigot Consulting, LLC. *U.S. Army Corps of Engineers Aquatic Resource Delineation Report Collier Canyon Parcels Project Alameda County, California*. March 2022.

of Livermore Department of Public Works and/or the Community Development Department ultimately determines the replacement ratio during the permitting process. The removal of regulated trees without a permit or appropriate compensation would result in a significant impact; however, the 2018 INSP EIR concluded that implementation of INSP Policy P-ENV-28, which requires a tree removal permit and a tree avoidance, minimization, and replacement plan consistent with the City of Livermore's Street Tree and Tree Preservation Ordinance, impacts related to conflicts with local policies or ordinances protecting biological resources would be less than significant.

Because the proposed project would require the removal of any trees, the Site Plan Design Review application would cover any tree removals and would be subject to Sections 12.20.080 and 12.20.190 of the City's Municipal Code. Said tree removal may require mitigation for removal of native species and/or mature trees.

Based on the above information, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. As a result, the proposed project would be consistent with the conclusions of the 2018 INSP EIR.

f. The project site is not located in an area with an adopted Habitat Conservation Plan (HCP), Natural Community Conservation Plan (NCCP), or other adopted local or State HCP. Therefore, the INSP concluded that no impact would occur related to conflicting with such plans. It should be noted that the project site is within the boundaries of the EACCS, a guidance document for regional conservation and environmental permitting for private and public development projects. However, while conservation strategies are provided by the EACCS, the document is not considered an adopted HCP/NCCP.

Based on the above information, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. As a result, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

Because the proposed project would not result in potential impacts related to tricolored blackbird, western pond turtle, San Joaquin kit fox, American badger, or Callippe silverspot butterfly, MM-BIO-4, MM-BIO-5, MM-BIO-6, or MM-BIO-8 would not be applicable to the proposed project. The following mitigation measure(s) from the 2018 INSP EIR would apply to the proposed project:

MM-BIO-1: Prepare and implement a salvage, relocation, or propagation and monitoring plan for special-status plant species.

If a protocol-level botanical survey reveals the presence of special-status plant species in the Planning Area, all directly affected areas of special-status plants will be documented by a qualified botanist or ecologist retained by project proponents prior to issuance of grading permits. Documentation will include density and percent cover; key habitat characteristics, including soil type, associated species, hydrology, and topography; and photographs of preconstruction conditions. The project proponent will notify USFWS and/or CDFW and a qualified botanist or restoration ecologist will prepare a salvage, relocation, or propagation and monitoring plan in coordination with USFWS and/or CDFW prior to construction to address affected special-status plant species. The plan will include provisions that address the

techniques, location, and procedures required for the successful establishment of the plant populations. The plan will include provisions for performance that address survivability requirements, maintenance, monitoring, implementation, and the annual reporting requirements.

Monitoring and success criteria applicable to special-status plant salvage, relocation, or propagation will require the following.

- At least two surveys by a qualified botanist or ecologist per monitoring year.
- At least 80 percent of the planted area must support vegetation composition and density consistent with reference population conditions.
- At least 80 percent of the planted area must support target species amounts similar to reference feature conditions.
- A minimum of five consecutive years of monitoring to ensure success criteria are met.

MM-BIO-2: Avoid nesting birds where feasible.

Proponents (or their contractors) of specific projects under the proposed Plan shall conduct construction activities outside the bird nesting season (February 1 to August 31) to the extent feasible. If construction initiation is unavoidable during this time, the project proponent or its contractor will retain a qualified wildlife biologist with demonstrated nest-searching experience to conduct preconstruction surveys for nesting birds (including raptors, but excluding burrowing owl) within 300 feet and including the near-term or longer-term improvements environmental footprints. Adjacent lands outside the development footprints will be scanned with binoculars from the limit of ground-disturbance and publicly accessible areas. Preconstruction surveys will occur no more than three days prior to the onset of ground-disturbing activities (including clearing, grubbing, and staging) at each development area. If active nests are found in the development footprints, the biologist will establish a no-disturbance buffer around the nest and mark the buffer perimeter with high-visibility fencing, flagging, or pin flags. The size of the buffer will be based on the species' sensitivity to disturbance and planned work activities in the vicinity; typical buffer sizes are 250 feet for raptors and 50 feet for other birds. The buffer will remain in place until the nest is no longer active, as determined by the biologist. Buffers for any nests found outside but within 300 feet of the development sites will be established based on the biologist’s best professional judgment whether the work would result in nest abandonment. If a lapse in construction activities of 15 days or longer at a previously surveyed environmental footprint occurs, another preconstruction survey will be conducted.

If structure demolition activities cannot occur outside of the nesting season, the project proponent or its contractor will remove inactive nests from the structure to be demolished and install nest exclusion measures (e.g., fine mesh netting, panels, or metal projectors) outside of the nesting season. All exclusionary devices will be monitored and maintained throughout the breeding season to ensure that they are successful in preventing the birds from accessing the cavities or nest sites. No more than three days prior to structure demolition activities, a qualified biologist will conduct a preconstruction survey of all potential nesting habitat on the structures to be demolished/modified and the surrounding areas for the presence of active nests. If active nests are found on the structures or in the affected area, then

demolition/modification activities will not proceed until the biologist verifies that all nests on the structures are inactive.

After all surveys and/or nest deterrence activities are completed at each development footprint, the biologist will complete a memorandum detailing the survey effort and results and submit the memorandum to the project proponent within seven days of survey completion.

MM-BIO-3: Avoid burrowing owl nesting where feasible.

Prior to any construction activity planned during the fall and winter non-nesting season (September 1 through January 31) or at any time during the construction process, proponents of projects proposed within the Planning Area will retain a qualified wildlife biologist to conduct a preconstruction survey for burrowing owls. Surveys will be conducted at each area of suitable habitat that will be disturbed no more than seven days prior to ground-disturbing activities and will cover all suitable burrowing owl habitat subject to disturbance pursuant to CDFW's Staff Report on Burrowing Owl Mitigation (California Department of Fish and Game, 2012). If any burrowing owls are found within the disturbance area, the project proponent will notify CDFW and will proceed under CDFW direction.

If construction is planned to occur during the nesting season (February 1 through August 31), the project proponent will retain a qualified wildlife biologist to conduct a breeding season burrowing owl survey in the year prior to construction. The survey will be conducted to determine if there is a breeding pair within approximately 500 feet of each development footprint, unless the biologist determines that a smaller survey buffer around the construction footprint is warranted based on preexisting background disturbance and conditions. Survey visits will be timed in accordance with CDFW guidelines (California Department of Fish and Game, 2012). This will provide the project team advance notice of nesting owls in the development area and allow ample time to discuss appropriate avoidance measures with CDFW. In addition, preconstruction surveys will be conducted no more than seven days prior to ground disturbance in all areas of the development footprint supporting burrowing owl habitat. If the biologist identifies the presence of a burrowing owl nest in an area scheduled to be disturbed by construction, a 660-foot no-activity buffer will be established and maintained around the nest while it is active. Surveys and buffer establishment will be performed by qualified wildlife biologists, and buffers will be coordinated with CDFW by contacting the appropriate CDFW personnel, and will be subject to CDFW review and oversight.

MM-BIO-7: Avoid California tiger salamander and California red-legged frog where feasible.

Proponents of specific projects within the Planning Area shall retain a USFWS and/or CDFW-approved biologist (as appropriate) to identify and flag (pin flags or 4-foot lath) all suitable aquatic habitat for California tiger salamander and California red-legged frog outside of but adjacent to development footprints and ground-disturbance areas prior to staging, vegetation clearing, grading, or other construction activities. The project proponent or its contractor will protect habitat areas by installing orange exclusion and erosion control fencing at the maximum practicable distance from the work site or, if feasible, at least 500 feet from the aquatic habitat edge, wet or dry, to make it easily visible by construction crews.

A qualified biologist will conduct a preconstruction survey each morning before construction activities begin and continue to monitor ground-disturbing construction activities where suitable habitat occurs during all phases of construction to remove any California tiger salamander and California red-legged frogs found in the development footprint. Individual salamanders and frogs will be moved immediately to a relocation site that is a minimum of 330 feet from the construction boundary. The relocation site will be determined in coordination with USFWS and/or CDFW prior to the commencement of construction activities.

Construction activities near drainages and wetland complexes identified as potential movement corridors shall take place between July 1 and October 1, when the California tiger salamander and California red-legged frog are least likely to be present in the development area.

To discourage California tiger salamander and California red-legged frogs from entering the improvements areas via ditches, the ditches will be equipped with lightweight, one-way flow gates. These will be designed so that water can easily pass from the construction site to the ditches, but small vertebrates such as the salamander or frog cannot move upstream from ditches to the development area.

MM-BIO-9: Avoid roosting bats where feasible.

If tree removal and trimming cannot be conducted between September 15 and October 30, proponents of projects implemented under the proposed Plan will retain a qualified biologist to examine trees to be removed or trimmed for suitable bat roosting habitat no more than 2 weeks before removal and trimming. High-quality habitat features (large tree cavities, basal hollows, loose or peeling bark, larger snags, palm trees with intact thatch, etc.) will be identified and the area around these features searched for bats and bat signs (e.g., guano, culled insect parts, urine staining, etc.). Mixed willow riparian scrub and stands of mature broadleaf trees should be considered potential habitat for solitary foliage-roosting bat species. Passive monitoring using full spectrum bat detectors may be needed if identification of bat species is required. Survey methods will be discussed with CDFW prior to the start of surveys.

Measures to avoid and minimize impacts on sensitive bats species will be determined in coordination with CDFW and may include the following.

- Tree removal will be avoided between April 1 and September 15 (the maternity period) to avoid effects on pregnant females and active maternity roosts (whether colonial or solitary).
- All tree removal will be conducted between September 15 and October 30, which corresponds to a time period when bats have not yet entered torpor or would be caring for nonvolant (non-flying) young.
- Each tree will be removed in pieces rather than felling the entire tree. • If a maternity roost is located, whether solitary or colonial, that roost will remain undisturbed until September 15 or a qualified biologist has determined the roost is no longer active.
- If avoidance of nonmaternity roost trees is not possible, and tree removal or trimming must occur between October 30 and September 15, qualified biologists will monitor tree trimming and removal. If possible, tree trimming and

removal should occur in the late afternoon or evening when it is closer to the time that bats would normally arouse. Prior to removal and trimming, each tree will be shaken gently and several minutes should pass before felling trees or limbs to allow bats time to arouse and leave the tree. The biologists will search downed vegetation for dead and injured bats. The presence of dead or injured bats that are species of special concern will be reported to CDFW. The biologist will prepare biological monitoring report, which will be provided to the project proponent and CDFW.

MM-BIO-10: Avoid and protect riparian habitat during construction.

Proponents of specific projects under the proposed Plan will ensure that a qualified resource specialist (i.e., biologist, botanist, or ecologist) will clearly identify riparian habitat to be preserved abutting the development area and outside of the direct construction area with high-visibility construction fencing or markers (e.g., lathe or pin flags) before site preparation. Construction will not encroach upon sensitive natural communities identified by the resource specialist. The resource specialist will use the project's verified wetland delineation, soils data, and land cover data to confirm the location of riparian habitat boundaries based on existing conditions at the time of the avoidance marking. Exclusion fencing or markers will be installed before construction activities are initiated, and the fencing will be maintained throughout the construction period. No construction activity, traffic, equipment, or materials will be permitted in fenced sensitive natural community areas. Exclusion fencing and markers will be removed following completion of construction activities.

All conditions imposed by State and federal permits for individual improvements will be clearly identified in the construction plans and specifications and monitored during and after construction to ensure compliance.

MM-BIO-11: Compensate for loss of riparian habitat.

For direct effects on woody riparian trees that cannot be avoided, proponents of specific projects under the proposed Plan will compensate for the loss of riparian habitat to ensure no net loss of habitat functions and values. Compensation ratios will be based on site-specific information and determined through coordination with the appropriate State and federal agencies during the permitting process. At a minimum, the compensation ratio will be 2:1 (e.g., two acres restored/created/enhanced or credits purchased for every 1 acre removed) for permanent impacts and 1:1 for temporary impacts (where riparian habitat will regenerate to pre-activity character within one year). Compensation may be a combination of offsite restoration or mitigation credits. The project proponent or its contractor will develop a restoration and monitoring plan that describes how riparian habitat will be enhanced or recreated and monitored over at least 5 years, or as determined by the appropriate State and federal agencies.

If the project proponent identifies suitable onsite areas (adjacent to the permanent construction footprint) that are outside the development footprint and chooses to compensate onsite or in the project's vicinity, a revegetation plan will be prepared. The revegetation plan will be developed prior to the removal of existing riparian vegetation and will be conducted onsite or in the near-term or longer-term

improvements vicinity to the extent feasible; however, mitigation site selection will avoid areas where future development or maintenance are likely. The revegetation plan will be prepared by a qualified botanist or restoration specialist with experience in riparian restoration and reviewed by the appropriate agencies. The revegetation plan will specify the planting stock appropriate for each riparian land cover type and each mitigation site, ensuring the use of genetic stock from the corresponding development area by project. The plan will employ the most successful techniques available at the time of planting. Success criteria will be established as part of the plan and will include a minimum of 70 percent revegetation success after three years, 80 percent revegetation success at the end of five years, and 75 percent vegetative coverage after five years.

The project proponent or its contractor will retain a qualified botanist, restoration ecologist, or biologist with experience in riparian restoration to monitor the plantings as necessary for five years. The project proponent or its contractor will be responsible for maintaining the plantings, including managing invasive plants (as defined by the California Invasive Plant Council) and other weeds, and implementing irrigation and plant protection if necessary. The project proponent or its contractor will submit annual monitoring reports to the regulatory agencies issuing permits related to habitat effects, including CDFW, USACE, and USFWS. Replanting will be necessary if success criteria are not met, and replacement plants subsequently will be monitored and maintained to meet the success criteria. The riparian habitat mitigation will be considered successful when the sapling trees established meet the success criteria, the habitat no longer requires substantial active management, and vegetation is arranged in groups that, when mature, replicate the area, natural structure, stratification, and species composition of similar riparian habitats in the region.

MM-BIO-12: Avoid and protect wetlands during construction.

Proponents of specific projects under the proposed Plan will ensure that a qualified resource specialist (i.e., wetland biologist, ecologist, or soil scientist) will clearly identify wetland areas to be preserved abutting the development area and wetland areas outside of the direct construction area with high-visibility construction fencing or markers (e.g., lathe or pin flags) before site preparation. Construction will not encroach upon jurisdictional wetlands identified by the resource specialist. The resource specialist will use the development footprint and verified wetland delineation to confirm the location of wetland boundaries based on existing conditions at the time of the avoidance marking. Exclusion fencing or markers will be installed before construction activities are initiated, and the fencing will be maintained throughout the construction period. No construction activity, traffic, equipment, or materials will be permitted in fenced wetland areas. Exclusion fencing and markers will be removed following the completion of construction activities.

All conditions imposed by the projects' State and federal permits will be implemented as part of the construction, with ultimate enforcement oversight by applicable State and federal agencies. The conditions will be clearly identified in the construction plans and specifications and monitored during and after construction to ensure compliance.

MM-BIO-13: Compensate for impacts on jurisdictional wetlands and non-wetland waters of the United States (aquatic resources) prior to near-term and longer-term improvements impacts during construction.

If projects impact jurisdictional wetlands and non-wetland waters, proponents of these specific projects under the proposed Plan will develop an aquatic resource (wetlands and non-wetland waters of the United States) mitigation plan, subject to approval by the USACE, which will ensure no net loss of wetlands from development impacts. The plan will detail the amount and type of wetlands (based on the projects' verified wetland delineation) that will be compensated for (through preservation, creation, or restoration) for impacts on existing wetlands and non-wetland waters of the United States (aquatic resources), and outline the monitoring and success criteria for the compensation wetlands and non-wetland waters of the United States. Additional enhancement options include fish barrier removal, riparian restoration, floodplain restoration, and streambank layback to improve overall ecologic function and connectivity of wetland and non-wetland waters. Enhancement sites will be located as near the impact location as possible but, in the event that local enhancement opportunities are not available, such activities will occur within the same stream system or watershed to provide improved ecologic function and connectivity of wetlands and non-wetland waters affected by development activities.

Monitoring and success criteria applicable to created or restored wetlands will require the following.

- At least two surveys by a qualified wetland biologist, botanist, or ecologist per monitoring year.
- At least 80 percent of the created or restored features support vegetation consistent with reference feature conditions.
- At least 80 percent of the created or restored features support hydrologic regimes similar to reference feature conditions.
- A minimum of five consecutive years of monitoring to ensure success criteria are met.
- Remedial actions to restore intended ecological function of created or restored features that fail to meet the success criteria for three consecutive years.

Once the plan is approved, the project proponent will implement the aquatic resource compensation measures prior to the initiation of development construction. The project proponent will be responsible for funding compensatory mitigation, monitoring of the created or restored features per the mitigation plan, and any remedial actions necessary. All conditions that are attached to the State and federal permits will be implemented as part of the development project, with ultimate enforcement oversight by applicable State and federal agencies. The conditions will be clearly identified in the construction plans and specifications and monitored during and after construction to ensure compliance.

V. CULTURAL RESOURCES. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	2018 EIR pgs. 3.13-14 to 3.13-16	No	No	No
b. Cause a substantial adverse change in the significance of a unique archaeological resource pursuant to Section 15064.5?	2018 EIR pg. 3.13-16	No	No	No
c. Disturb any human remains, including those interred outside of dedicated cemeteries.	2018 EIR pgs. 3.13-18 to 3.13-19	No	No	No

Discussion

a. The 2018 INSP EIR assessed the potential for buildout of the INSP to cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5 of the CEQA Guidelines and determined that the Gandolfo Ranch historic district was identified for listing in the National Register of Historic Places (NRHP). The 2018 INSP EIR determined that development of the agricultural property as part of the INSP would result in the demolition, destruction, relocation, and/or alteration of the historical resource such that the significance of the resource would be materially impaired. Given that the Gandolfo Ranch is a known historical resource, the site of which would be substantially altered under the INSP, even with implementation of INSP Policies P-ENV-34 through P-ENV-37, would a substantial change to the significance of a historical resource would likely occur, and known feasible policies and mitigation measures are not available to reduce the impact to a less-than-significant level, the INSP determine that the impact would remain significant and unavoidable. The project site is not located within the Gandolfo Ranch.

A field survey of the project site was conducted on August 6, 2024 as part of the Cultural Resources Study prepared for the proposed project by Tom Origer & Associates.[12] Buildings or structures were not determined to be present within the project site. A small memorial was observed in the northern portion of the project site; however, because the memorial is modern and does not represent a human burial, the memorial is not determined to be a historic resource. Thus, the project site does not contain any structures which would be considered historical, nor would the project result in removal of any possible historic resources. In addition, the proposed project would be implemented within the previously analyzed footprint of the 2018 INSP EIR, and is not located within an area for which the 2018 INSP EIR identified any historic resources. As such, the proposed project would not result in new significant impacts or substantially more severe significant impacts than what were previously analyzed in the 2018 INSP EIR. As a result, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

b,c. The 2018 INSP EIR assessed the potential for buildout of the INSP to cause a substantial adverse change in the significance of a unique archaeological resource pursuant to

[12] Tom Origer & Associates. *Cultural Resources Study for the Cornerstone Townhomes Project Livermore, Alameda County, California*. August 13, 2024.

Section 15064.5 of the CEQA Guidelines, or disturb any human remains, including those interred outside of dedicated cemeteries. The 2018 INSP EIR concluded that future development would involve grading, excavation, or other ground-disturbing activities, which could potentially disturb or destroy significant buried archaeological resources and/or human remains. Nonetheless, the 2018 INSP EIR determined that with implementation of INSP Policies P-ENV-34 and P-ENV-37, all potential impacts would be less than significant. The proposed project would be subject to the requirements of the aforementioned policies related to archeological resources and inadvertent discovery of human remains.

In compliance with INSP Policy P-ENV-34 and to ensure that any additional resources have not been discovered since the adoption of the 2018 INSP EIR, as part of the Cultural Resources Study prepared for the proposed project, a records search of the California Historic Resources Information System (CHRIS) was performed by the Northwest Information Center (NWIC) for cultural resource site records and survey reports within the project area. The NWIC concluded that the project site does not contain any recorded archaeological resources nor any historic buildings or structures on any lists of historic resources. A review of 19th and 20th century maps showed that buildings did not exist within the study area prior to 1953. However, aerial photos show buildings present within the study area by 1949. Topographic maps also show two buildings at the north end and four buildings in the southern half of the study area. By 1972, the building complex near the southwest corner of the study area was removed, an additional building complex was present in the north end, and a road was being developed through the study area. Most of the buildings were removed between 1993 and 2002, and the last complex was removed by 2020. In addition, a search of the Native American Heritage Commission (NAHC) Sacred Lands File search did not yield any information regarding the presence of Tribal Cultural Resources within the project site or the immediate area.

Based on the above, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. As a result, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

VI. ENERGY. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	2018 EIR pgs. 3.4-22 to 3.4-29 2020 SEIR pgs. 3.3-24 to 3.3-31	No	No	Yes
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	N/A	No	No	Yes

Discussion

a,b. It should be noted that since the preparation of the 2020 INSP SEIR, regulations pertaining to energy use have become much more stringent. Therefore, the construction and operational energy demand associated with the proposed project is anticipated to be less than what was assumed in the 2020 INSP SEIR analysis.

Through existing infrastructure, electrical and natural gas services are provided to the site by Pacific Gas and Electric Co. (PG&E). During construction and operations, the currently proposed project would be subject to regulations required by the CARB, the 2022 Building Energy Efficiency Standards, and the 2022 CALGreen standards.

A description of the California Green Building Standards Code and the Building Energy Efficiency Standards follows, as well as discussions regarding the proposed project's potential effects related to energy demand during construction and operations.

California Green Building Standards Code

The 2022 California Green Building Standards Code, otherwise known as the CALGreen Code (CCR Title 24, Part 11), is a portion of the CBSC, which became effective with the rest of the CBSC on January 1, 2023.[13] The purpose of the CALGreen Code is to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the use of building concepts having a reduced negative impact or positive environmental impact and encouraging sustainable construction practices. The CALGreen standards regulate the method of use, properties, performance, types of materials used in construction, alteration repair, improvement and rehabilitation of a structure or improvement to property. The provisions of the code apply to the planning, design, operation, construction, use, and occupancy of every newly constructed building or structure throughout California. Requirements of the CALGreen Code include, but are not limited to, the following measures:

- Compliance with relevant regulations related to future installation of electric vehicle (EV) charging infrastructure in residential and non-residential structures;
- Indoor water use consumption is reduced through the establishment of maximum fixture water use rates;
- Outdoor landscaping must comply with the California Department of Water Resources' Model Water Efficient Landscape Ordinance, or a local ordinance, whichever is more stringent, to reduce outdoor water use;
- Diversion of 65 percent of construction and demolition waste from landfills;

[13] California Building Standards Commission. *2022 California Green Building Standards Code*. 2023.

- Incentives for installation of electric heat pumps, which use less energy than traditional heating, ventilation, and air conditioning (HVAC) systems and water heaters;
- Required solar PV system and battery storage standards for certain buildings; and
- Mandatory use of low-pollutant emitting interior finish materials such as paints, carpet, vinyl flooring, and particle board.

Building Energy Efficiency Standards

The 2022 Building Energy Efficiency Standards is a portion of the CBSC, which expands upon energy-efficiency measures from the 2019 Building Energy Efficiency Standards, went into effect starting January 1, 2023. The 2022 standards provide for additional efficiency improvements beyond the 2019 standards. The proposed project would be subject to all relevant provisions of the most recent update of the CBSC, including the Building Energy Efficiency Standards. Adherence to the most recent CALGreen Code and Building Energy Efficiency Standards would ensure that the proposed structure would consume energy efficiently.

Construction Energy Use

The 2020 INSP SEIR concluded that the land uses proposed under the INSP would not require extraordinary amounts of energy during construction, and construction would represent a relatively short demand on local and regional fuel supplies that could be accommodated. Thus, the 2020 INSP SEIR concluded that construction activities would not result in the wasteful, inefficient, and unnecessary usage of direct or indirect energy.

Construction of the proposed project would involve on-site energy demand and consumption related to use of oil in the form of gasoline and diesel fuel for construction worker vehicle trips, hauling and materials delivery truck trips, and operation of off-road construction equipment. In addition, diesel-fueled portable generators may be necessary to provide additional electricity demands for temporary on-site lighting, welding, and for supplying energy to areas of the site where energy supply cannot be met via a hookup to the existing electricity grid. Project construction would not involve the use of natural gas appliances or equipment.

All construction equipment and operation thereof would be regulated per the CARB In-Use Off-Road Diesel Vehicle Regulation. The In-Use Off-Road Diesel Vehicle Regulation is intended to reduce emissions from in-use, off-road, heavy-duty diesel vehicles in California by imposing limits on idling, requiring all vehicles to be reported to CARB, restricting the addition of older vehicles into fleets, and requiring fleets to reduce emissions by retiring, replacing, or repowering older engines, or installing exhaust retrofits. In addition, as a means of reducing emissions, construction vehicles are required to become cleaner through the use of renewable energy resources. The In-Use Off-Road Diesel Vehicle Regulation would therefore help to improve fuel efficiency for equipment used in construction of the proposed project. Technological innovations and more stringent standards are being researched, such as multi-function equipment, hybrid equipment, or other design changes, which could help to further reduce demand on oil and limit emissions associated with construction.

Based on the above, the temporary increase in energy use occurring during construction of the proposed project would not result in a significant increase in peak or base demands or require additional capacity from local or regional energy supplies. In addition, the proposed project would be required to comply with all applicable regulations related to

energy conservation and fuel efficiency, which would help to reduce the temporary increase in demand. Therefore, construction energy usage related to the proposed project would be similar to what was anticipated in the 2020 INSP SEIR.

Operational Energy Use

The 2020 INSP SEIR determined that operation of the INSP would decrease demand for energy- and fuel-related energy resources on a per capita basis, and thus, operation of future land uses associated with development of the INSP would not result in a wasteful, inefficient, and unnecessary usage of direct or indirect energy.

Energy use associated with operation of the proposed project would be typical of residential and public park development, requiring electricity for interior and exterior building lighting, HVAC, electronic equipment, machinery, refrigeration, appliances, security systems, and more. Maintenance activities during operations, such as landscape maintenance, would involve the use of electric or gas-powered equipment. In addition to on-site energy use, the proposed project would result in transportation energy use associated with vehicle trips generated by the proposed residential units.

The proposed project would be subject to all relevant provisions of the most recent update of the CBSC, including the Building Energy Efficiency Standards. Adherence to the most recent CALGreen Code and the Building Energy Efficiency Standards would ensure that the proposed structures would consume energy efficiently. Required compliance with the CBSC would ensure that the building energy use associated with the proposed project would not be wasteful, inefficient, or unnecessary. In addition, electricity supplied to the project by PG&E would comply with the State's Renewable Portfolio Standard (RPS), which requires investor-owned utilities, electric service providers, and community choice aggregators to increase procurement from eligible renewable energy resources to 60 percent of total procurement by 2030. Thus, a portion of the energy consumed during project operations would originate from renewable sources.

As discussed in Section VIII, Greenhouse Gas Emissions, of this Initial Study/15182 Checklist, the proposed project would be built all-electric, which is consistent with the requirements of the 2022 Green Building Standards Code, as well as Strategy B-1 of the City of Livermore Climate Action Plan (CAP). Furthermore, consistent with the 2022 CALGreen Code requirements, 100 percent of the townhome electricity would be generated by rooftop solar panels. The inclusion of solar panels would drastically reduce the demand for grid supplied electricity of the proposed project.

With regard to transportation energy use, the proposed project would comply with all applicable regulations associated with vehicle efficiency and fuel economy. In addition, as discussed in Section XVII, Transportation, of this Initial Study/15182 Checklist, the project site is located within close proximity to existing bicycle infrastructure and transit infrastructure, and would also provide EV charging stations, pursuant to the City's Reach Code. Bicycle parking would be included on-site, which would encourage patrons to use alternative transportation.

Based on the above, operational energy usage from buildout of the proposed project would be similar to what was anticipated in the 2020 INSP SEIR.

Conclusion

Based on the above information, the currently proposed project would involve energy use associated with construction activities and operations; however, the proposed project would comply with all applicable State energy standards, which would ensure that construction and operation of the proposed project would not result in wasteful, inefficient, or unnecessary consumption of energy resources or conflict with or obstruct a State or local plan for renewable energy or energy efficiency. Therefore, energy usage from buildout of the proposed project would be less than what was anticipated in the 2020 INSP SEIR, and impacts related to energy use would be less than significant.

Prior Mitigation Measures

None Required.

VII. GEOLOGY AND SOILS. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	2018 EIR pgs. 3.12-15 to 3.12-17			
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.		No	No	No
ii. Strong seismic ground shaking?		No	No	No
iii. Seismic-related ground failure, including liquefaction?		No	No	No
iv. Landslides?		No	No	No
b. Result in substantial soil erosion or the loss of topsoil?	2018 EIR pgs. 3.12-17 to 3.12-18	No	No	No
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	2018 EIR pg. 3.12-18	No	No	No
d. Be located on expansive soil, as defined in Table 18-1B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	2018 EIR pgs. 3.12-18 to 3.12-19	No	No	No
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	2018 EIR pg. 3.12-19	No	No	No
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	2018 EIR pg. 3.13-17 to 3.13-18	No	No	No

Discussion

ai.-aii. The 2018 INSP EIR collectively analyzed the potential of buildout of the INSP to expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving the rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault or strong seismic ground shaking under Impact 3.12-1. As discussed therein, faults zoned under the Alquist-Priolo Earthquake Fault Zoning Act are not present within the INSP Planning Area. The Alquist-Priolo Earthquake Fault Zones nearest to the Planning Area are associated with the Calaveras Fault, approximately 5.5 miles to the southwest, and the Greenville Fault, approximately 6.3 miles to the northeast. Because known active faults do not exist within

the INSP Planning Area, the 2018 INSP EIR concluded that there would be no impact related to the rupture of a known earthquake fault.

With regard to seismic ground shaking, the 2018 EIR determined that, due to the proximity of the Calaveras and Greenville Faults, locations within the Planning Area could experience considerable ground shaking in the event of an earthquake. However, compliance with CBSC requirements, California Department of Transportation (Caltrans) roadway development standards, and standard industry practices would reduce potential impacts from ground shaking to the greatest extent feasible and the 2018 EIR concluded that impacts would be less than significant.

Potential seismic hazards resulting from a nearby moderate to major earthquake can generally be classified as primary and secondary. The primary effect is ground rupture, also called surface faulting. The common secondary seismic hazards include ground shaking and ground lurching. Because the project site does not contain any known active faults and is not located within an Alquist-Priolo Earthquake Fault Zone, ground rupture is unlikely at the project site.

Based on past events, an earthquake of moderate to high magnitude generated by the San Francisco Bay Region could cause considerable ground shaking at the project site. However, the CBSC provides minimum standards to ensure that the proposed structures would be designed using sound engineering practices and appropriate engineering standards for the seismic area in which the project site is located. Projects designed in accordance with the CBSC should be able to: 1) resist minor earthquakes without damage, 2) resist moderate earthquakes without structural damage but with some nonstructural damage, and 3) resist major earthquakes without collapse but with some structural as well as nonstructural damage. Although conformance with the CBSC does not guarantee that substantial structural damage would not occur in the event of a maximum magnitude earthquake, conformance with the CBSC can reasonably be assumed to ensure that the proposed structure would not collapse, resulting in a loss of life in a major earthquake.

Based on the above information, the proposed project would not result in new significant impacts or substantially more severe significant impacts than what were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would be consistent with the conclusions of the 2018 INSP EIR.

aiii, aiv,

c. The 2018 INSP EIR determined that the potential hazards of unstable soil or geologic units, liquefaction, or landslides would be addressed through the integration of geotechnical information into the planning and design process for future projects within the INSP area. Geotechnical investigations for specific projects within the INSP area would be required to thoroughly evaluate site-specific geotechnical characteristics such as subsurface soils and bedrock to assess potential hazards and recommend site preparation and design measures to address any hazards which may be present. Such measures would be enforced through compliance with CBSC requirements to avoid or reduce hazards relating to unstable soils and slope failure or Caltrans standards. Therefore, with compliance with standard industry practices and State requirements, the 2018 INSP EIR concluded that impacts related to landslides, lateral spreading, subsidence, liquefaction, or collapse resulting from implementation of the INSP would be less than significant.

According to Figure 3.12-2 of the 2018 INSP EIR, the project site is located in an area with low potential for liquefaction hazards. Most areas bordering the Arroyo Las Positas and Collier Canyon Creek are at very high risk of liquefaction due to the presence of soils that are often saturated or characteristic of wetlands. However, as noted in the 2018 INSP EIR, the majority of the high-risk areas, including the portion adjacent to the project site, would be preserved as open space and would not be developed with buildings or roadways.

Landslides may occur on slopes of 15 percent or less; however, the probability is greater on steeper slopes that exhibit old landslide features such as steep slopes or banks, slanted vegetation, and transverse ridges. Landslide-susceptible areas are characterized by steep slopes and downslope creep of surface materials. According to Figure 3.12-3 of the 2018 INSP EIR, the project site is located on an area with slopes between zero and 10 percent. Given the relatively level surface of the project site, land sliding as a result of a seismic activity would not be likely. Thus, the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving landslides. Furthermore, the project site does not contain any open faces that would be considered susceptible to lateral spreading, and based on topographic and lithologic data, the risk of regional subsidence or uplift, lateral spreading, and landslides is low to negligible at the project site.

However, based on the Feasibility Evaluation and Preliminary Geotechnical Recommendations prepared for the proposed project (see Appendix D)[14], localized areas of undocumented fill should be expected, especially in areas of past development. Existing underground improvements, such as buried utilities or tanks, will need to be removed or demolished during construction. Non-engineered fill can undergo excessive settlement, especially under new fill or building loads. Such settlement could result in hazards to the proposed structures. As such, the Feasibility Evaluation and Preliminary Geotechnical Recommendations included recommendations to ensure that all undocumented fill encountered within the project site would be removed and placed back as engineered fill within the project site. The recommendations included therein are consistent with typical engineering practices required pursuant to the CBSC. The proposed project would be conditioned by the City of Livermore to adhere to all geotechnical recommendations prior to building construction, which would ensure hazards due to undocumented fill within the site would not occur.

Therefore, compliance with all applicable INSP policies, as well as implementation of common engineering practices pursuant to the CBSC, would ensure that the proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would be consistent with the conclusions of the 2018 INSP EIR.

b. The 2018 INSP EIR analyzed the INSP's potential to result in substantial soil erosion or the loss of topsoil, and determined that construction associated with the INSP would include earthwork activities that could expose soils to the effects of erosion or loss of topsoil.

Livermore Development Code Section 4.02.080, Grading Activities, requires a CUP for grading activities within a flood hazard zone or within 150 feet of the top of the bank of any creek, arroyo, or drainage channel. Because a portion of the proposed townhomes and

[14] Cornerstone Earth Group. *Feasibility Evaluation and Preliminary Geotechnical Recommendations Cornerstone Church and Chu Properties Livermore, California*. October 25, 2022.

the apartment building would be located within 150 feet of the top of the Collier Creek bank, approval of a CUP for grading activities would be required for the proposed project. The CUP would include measures to protect exposed soils. A CUP for other grading activities that could potentially lead to erosion and ground movement would also be required. The 2018 INSP EIR determined that compliance with the grading ordinance or Caltrans standards would minimize erosion impacts.

In addition, construction that disturbs more than one acre would be subject to compliance with a National Pollutant Discharge Elimination System (NPDES) permit. The NPDES permit requires implementation of BMPs and a storm water pollution prevention plan (SWPPP). BMPs that are required under a SWPPP include erosion prevention measures that have proven effective in limiting soil erosion and loss of topsoil. Generally, once construction is complete and exposed areas are revegetated or covered by buildings, asphalt, or concrete, the erosion hazard is substantially eliminated or reduced. The 2018 INSP EIR concluded that compliance with applicable codes and regulations would reduce the potential for substantial soil erosion or topsoil loss to be less than significant.

The currently proposed project's area of impact would be within the footprint of the previously analyzed INSP. Moreover, the INSP assumed the development of residential uses on the project site. The proposed project would be subject to all applicable regulations, such as the CBSC. In addition, accordance with NPDES regulations, in order to minimize the potential effects of construction runoff on receiving water quality, any construction activity affecting one acre or more must obtain a General Construction Permit. Permit applicants are required to prepare a SWPPP and implement BMPs to reduce construction effects on receiving water quality by implementing erosion control measures. As such, the proposed project would be designed in accordance with the necessary specifications to reduce impacts associated with substantial soil erosion and loss of topsoil.

Based on the above information, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would be consistent with the conclusions of the 2018 INSP EIR.

d. Expansive soils are soils which undergo significant volume change with changes in moisture content. Specifically, such soils shrink and harden when dried and expand and soften when wetted, potentially resulting in damage to building foundations. Placement of buildings on unstable soils can result in structural failure. According to the 2018 INSP EIR, soils present in the INSP area have moderate to high expansion potential. The 2018 INSP EIR concluded that compliance with applicable State and local building codes would ensure that development in the INSP area would not result in hazards due to expansive soils, and a less-than-significant impact would occur.

Based on the Feasibility Evaluation and Preliminary Geotechnical Recommendations, expansive clay was observed near the surface of the project site. Therefore, recommendations included that slabs-on-grade should have sufficient reinforcement and be supported on a layer of non-expansive fill; foundations should be designed to extend below the zone of seasonal moisture fluctuation or to resist uplift forces; and moisture changes in the surficial soils should be limited by using positive drainage away from the building as well as limiting landscaping watering. The proposed project would be conditioned by the City of Livermore to adhere to all geotechnical recommendations prior

to building construction, which would ensure hazards due to expansive soils would not occur on-site.

Based on the above, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would be consistent with the conclusions of the 2018 INSP EIR.

e. Because future development within the INSP area would obtain wastewater treatment and sewer services from the City of Livermore, and septic systems would not be developed as part of the project, the 2018 INSP EIR concluded that no impact would occur related to the location of structures on soils incapable of supporting septic tanks or alternative wastewater disposal systems.

The proposed project would not include installation of septic tanks or construction of alternative wastewater systems. Therefore, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. As such, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

f. According to the 2018 INSP EIR, vertebrate fossils have been recovered from geologic units in the Livermore vicinity, making the INSP area highly sensitive for paleontological resources. Paleontological resources may be present in construction areas at ground surface and at excavation depths in sensitive geologic units. However, the 2018 INSP EIR concluded that with implementation of INSP Policies P-ENV-35 and P-ENV-36, impacts to paleontological resources, site, or unique geological features would be less than significant. The policies requires future project proponents to engage a qualified paleontologist to monitor for discovery of paleontological resources, evaluate found resources, and prepare and follow a recovery plan if necessary.

Because the project site is highly sensitive to the occurrence of unknown paleontological resources to exist within the project site, ground-disturbing activity, such as grading, trenching or excavating, associated with implementation of the proposed project would have the potential to disturb or destroy such features. However, implementation of INSP Policies P-ENV-35 and P-ENV-36 would be required to ensure that the proposed project would not result in the destruction of a unique paleontological resource. With implementation of the aforementioned policies, which are standard requirements to address the handling of unexpected paleontological discoveries, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. As such, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None required.

VIII. GREENHOUSE GAS EMISSIONS. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	2018 EIR pgs. 3.4-30 to 3.4-37 2020 SEIR pgs. 3.3-32 to 3.3-39	No	No	Yes
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gasses?	2018 EIR pgs. 3.4-37 to 3.4-47 2020 SEIR pgs. 3.3-40 to 3.3-51	No	No	Yes

Discussion

a,b. Emissions of GHGs contributing to global climate change are attributable in large part to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors. Therefore, the cumulative global emissions of GHGs contributing to global climate change can be attributed to every nation, region, and city, and virtually every individual on Earth. An individual project's GHG emissions are at a micro-scale level relative to global emissions and effects to global climate change; however, an individual project could result in a cumulatively considerable incremental contribution to a significant cumulative macro-scale impact. As such, impacts related to emissions of GHG are inherently considered cumulative impacts.

Implementation of the proposed project would cumulatively contribute to increases of GHG emissions. Estimated GHG emissions attributable to future development would be primarily associated with increases of carbon dioxide (CO_2) and, to a lesser extent, other GHG pollutants, such as methane (CH_4) and nitrous oxide (N_2O) associated with area sources, mobile sources or vehicles, utilities (electricity), water usage, wastewater generation, and the generation of solid waste. The primary source of GHG emissions for the project would be mobile source emissions. The common unit of measurement for GHG is expressed in terms of annual metric tons of CO_2 equivalents ($MTCO_2e$/yr).

The 2020 INSP SEIR assessed the potential for the INSP to conflict with the Assembly Bill (AB) 32 Scoping Plan and the 2012 City of Livermore CAP. As demonstrated therein, the 2020 INSP SEIR concluded that the INSP would not conflict with the 2012 City of Livermore CAP, AB 32 Scoping Plan, 2017 Scoping Plan, Senate Bill (SB) 375 and Plan Bay Area, or SB 32, and implementation of Mitigation Measure GHG-1 would reduce INSP emissions below the applicable efficiency metric and render such emissions to be consistent with the GHG emissions reduction trajectory for 2050. Thus, the 2020 INSP SEIR concluded that with mitigation, implementation of the INSP would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and this impact would be less than significant.

The proposed project is located within the jurisdictional boundaries of BAAQMD. While updated CEQA Guidelines have not yet been released, on April 20, 2022, the BAAQMD Board of Directors held a public meeting and adopted proposed CEQA Thresholds for Evaluating the Significance of Climate Change Impacts from Land Use Projects and

Plans.[15] The updated GHG thresholds address more recent climate change legislation, including SB 32, and provide qualitative thresholds of significance related to Buildings and Transportation.

BAAQMD Thresholds of Significance

According to BAAQMD's new CEQA Thresholds for Evaluating the Significance of Climate Change Impacts from Land Use Projects and Plans, a project must either include specific project design elements (e.g., exclude use of natural gas, achieve a specific reduction in project-generated VMT below the regional average) or be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).[16]

On November 28, 2022, the City of Livermore adopted the updated 2022 CAP, which, according to Section 2 of Appendix D of the CAP, meets the criteria to be a GHG reduction strategy under CEQA Guidelines Section 15183.5(b). Therefore, the following analysis is based on the proposed project's consistency with City's 2022 CAP.

City of Livermore CAP Consistency

The 2022 CAP is intended to create a roadmap to achieve emissions reductions of 40 percent below 1990 levels by 2030, and carbon neutrality (i.e., net zero carbon emissions) by 2045. The CAP contains mitigation strategies and actions, consistent with State climate mitigation targets, which were developed to reduce the City's GHG emissions to reach its adopted reduction targets for 2030 and 2045. It should be noted that the 2022 CAP was adopted after preparation of the 2020 INSP SEIR. Therefore, the project's consistency with the updated applicable mitigation strategies and actions is assessed in Table 4 below. As shown in the table, the proposed project would be consistent with the applicable strategies and actions of the City's CAP.

Table 4
Project Consistency with the Livermore Climate Action Plan

Strategies and Actions	Consistency Discussion
Strategy D-1: Improve water conservation and reuse.	All landscaping improvements would be consistent with Section 13.25 of the Municipal Code, Water Efficient Landscape, and would be irrigated by an automatic irrigation system using recycled water. Therefore, the proposed project would generally be consistent with Strategy D-1.
Action D-1.3: Continue implementing the Water Efficient Landscape Ordinance.	As discussed above, all landscaping improvements would be consistent with Section 13.25 of the Municipal Code, Water Efficient Landscape, and would be irrigated by an automatic irrigation system using recycled water. Therefore, the proposed project would be consistent with Action D-1.3.
Action F-1.5: Require new hardscape to be permeable.	Page 46 of the Livermore CAP recognizes that for Action F-1.5, the City must first update standards

[15] Bay Area Air Quality Management District. *CEQA Thresholds and Guidelines Update.* Available at: https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines. Accessed March 2023.

[16] Bay Area Air Quality Management District. *CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans*. April 2022.

Table 4
Project Consistency with the Livermore Climate Action Plan

Strategies and Actions	Consistency Discussion
	for new development hardscape to be consistent with CALGreen Tier 1 and/or increase the current fee for installation of new impervious surfaces. The City has not yet updated its standards and, thus, consistency with Action F-1.5 is not required.
Strategy B-1: Require new buildings to be all-electric and incentivize electrification retrofits of existing buildings.	As stated on page 55 of the Livermore CAP for Strategy B-1: Adopt an electrification ordinance which requires all new construction to be all-electric. Conduct a cost-effectiveness study to develop an ordinance that facilitates both construction and on-bill cost savings. Minimize the number of exemptions associated with the ordinance to limit the number of stranded natural gas lines in the city. Allow case by case allowances for certain site development standards when an applicant can demonstrate infeasibility. Leverage partnerships with the Building Decarbonization Coalition, EBCE, StopWaste, and others, to engage with local building industry stakeholders in development of the ordinance. The City of Livermore has adopted the 2022 Green Building Standards Code, which includes all-electric building requirements for new construction and a limited number of exceptions. The proposed residential units would be constructed to be all-electric, pursuant to Chapter 15.26 of the Livermore Municipal Code. Therefore, the proposed project would be consistent with Strategy B-1.
Action B-1.1: Require new construction to be all-electric.	See consistency discussion for Strategy B-1.
Action T-1.1: Expand EV infrastructure to support EV adoption.	The City of Livermore has adopted Reach Code amendments to the CBSC, which include EV charging requirements for new development projects within the City. For town-houses with attached garaged, such as the townhome component of the proposed project, the City's Reach Code requires that one parking space provided per unit shall be a Level 2 EV Ready space. If a second parking space is provided, the space shall be provided with a Level 2 EV Ready space. New multifamily dwellings and new residential parking facilities, such as the affordable apartment complex portion of the proposed project, a total of 15 percent of dwelling units with parking spaces shall be electric vehicle charging stations (EVCS) with Level 2 Ready. A total of 85 percent

Table 4
Project Consistency with the Livermore Climate Action Plan

Strategies and Actions	Consistency Discussion
	of dwelling units with parking spaces shall be provided with a Low Power 2 EV ready space. The proposed project is anticipated to include 283 parking stalls within the attached garages. Therefore, based on the City's Reach Code requirements, the townhome component of the proposed project would be required to provide Level 2 EV Ready spaces for all garage parking spaces. In addition, the multi-family affordable apartment component of the proposed project would include a total of 104 parking spaces. Therefore, based on the City's Reach Code requirements, the affordable apartment component of the proposed project would be required to provide 16 EVCS with Level 2 EV Ready, and 88 parking stalls with Low Power Level 2 EV Ready. The City would include a condition of project approval to ensure compliance with Action T-1.1.
Strategy W-1: Reduce the amount of waste that is landfilled.	The project would be required to comply with all applicable provisions of Chapter 8.08, Solid Waste Management, of the City's Municipal Code. In addition, as discussed below, the proposed project would be required to comply with CALGreen construction waste diversion standards during construction of the proposed project. Therefore, the proposed project would be consistent with Strategy W-1.
Action W-1.5: Reduce construction waste.	The CALGreen Code requires all new construction projects to recycle and/or salvage for reuse a minimum 65 percent of all non-hazardous construction and demolition waste. The proposed project would be required to comply with the CALGreen Code standards, and, therefore, would be consistent with Action W-1.5.
Source: City of Livermore, 2022.	

Conclusion

Based on the above, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than what were previously analyzed in the 2020 INSP SEIR. However, as discussed above, 2020 INSP SEIR Mitigation Measure GHG-1 would remain applicable to the proposed project.

Prior Mitigation Measures

The following mitigation measure from the 2020 INSP SEIR would apply to the proposed project:

MM-GHG-1: Operational GHG Emissions Reduction Measures. Implement the following GHG emissions reduction strategies to guide future development within the Planning Area:

1. Require that a minimum of 20 percent of housing allowed under the proposed Project be affordable (below market-rate) housing.
2. Incorporate street and intersection traffic calming measures to a minimum of 25 percent of streets and intersections in the Planning Area. Street traffic calming features may include, but are not limited to, on-street parking, planter strips with street trees, chicanes, horizontal shifts (lane centerline that curves or shifts), bollards, rumble strips, and woonerfs, Intersection traffic calming measures may include, but are not limited to, marked crosswalks, count-down signal timers, curb extensions, channelization islands, speed tables, raised crosswalks, raised intersections, median islands, tight corner radii, and traffic circles or mini-circles.
3. Expand the existing local bus network in the Planning Area by a minimum of 25 percent by adding or modifying bus routes to increase accessibility to the Valley Link station at Isabel Avenue.
4. Require all new development to install indoor water efficient appliances and fixtures to achieve a minimum of 15 percent reduction in water usage and require applicants for new development to submit landscape and irrigation plans capable of achieving a minimum of 10 percent reduction in outdoor water usage. The percent reductions should be achieved over baseline water use conditions in the City at the time of development.
5. Require a minimum solid waste diversion rate of 85 percent to be achieved by 2040.
6. Require employers with more than 50 employees to provide a suite of travel demand reduction measures (TDM) capable of reducing single-vehicle trips by at least 20 percent compared to normal trip generation rates.

IX. HAZARDS AND HAZARDOUS MATERIALS. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	2018 EIR pgs. 3.8-17 to 3.8-18	No	No	No
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment?	2018 EIR pg. 3.8-18	No	No	No
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	2018 EIR pgs. 3.8-18 to 3.8-19	No	No	No
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	2018 EIR pg. 3.8-19	No	No	No
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	2018 EIR pgs. 3.8-20 to 3.8-22	No	No	No
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	2018 EIR pg. 3.8-22	No	No	No
g. Expose people or structures, either directly or indirectly, to the risk of loss, injury or death involving wildland fires?	2018 EIR pg. 3.8-23	No	No	No

Discussion

a. The 2018 INSP EIR determined that while implementation of the INSP could include land uses that would require the routine use, transport, and disposal of hazardous materials and waste and may increase exposure to risk of hazards, with implementation of federal and State regulations and the City of Livermore General Plan's Public Safety Element, impacts would be less than significant.

Residential land uses are not typically associated with the routine transport, use, disposal, or generation of substantial amounts of hazardous materials. Maintenance and operation of the proposed project may use common household cleaning products, fertilizers, and herbicides on-site, any of which could contain potentially hazardous chemicals; however, such products would be expected to be used in accordance with label instructions. Due to the regulations governing use of such products and the amount anticipated to be used on the site, routine use of such products would not represent a substantial risk to public health

or the environment. Therefore, the proposed project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials, and would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR.

b. According to the 2018 INSP EIR, individual projects under the INSP for which there are potential significant impacts related to hazards require a project-level environmental review. The City of Livermore General Plan requires environmental investigation as necessary to ensure that soils, groundwater, and buildings affected by hazardous material releases from prior land uses, and lead and asbestos potentially present in building materials, would not have the potential to affect the environment or the health and safety of future property owners or users.

The following discussion provides an analysis of potential hazards and hazardous materials associated with upset or accident conditions related to the proposed construction activities and existing on-site conditions.

Construction Activities

Construction activities associated with the proposed project would involve the use of heavy equipment, which would contain fuels and oils, and various other products such as concrete, paints, and adhesives. Small quantities of potentially toxic substances (e.g., petroleum and other chemicals used to operate and maintain construction equipment) would be used at the project site and transported to and from the site during construction. However, the project contractor would be required to comply with all California Health and Safety Codes and local City ordinances regulating the handling, storage, and transportation of hazardous and toxic materials. Thus, construction of the proposed project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment.

Existing On-Site Hazardous Materials

A Phase I ESA was prepared for the proposed project by KCE Matrix for the purpose of identifying potential recognized environmental conditions (RECs) associated with the project site (see Appendix E)[17] A REC is defined by ASTM International as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

The Phase I ESA included a survey of the project site and a review of historical documentation, aerial photography, regulatory agency files, and environmental site radius reports. Historical sources reviewed as part of the Phase I ESA indicates that the project site was previously used for agriculture until at least 1982. The project site was previously developed with one residential structure, but has been vacant since at least 2020.

Pursuant to the Phase I ESA, features such as septic systems, above-ground storage tanks, underground storage tanks, asbestos containing materials, and lead based paint

[17] KCE Matrix. *Phase I Environmental Site Assessment – Vacant Land Client Project Identification: Constitution Drive (APNs: 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 & 905-0015-029) 2620 & 2768 Collier Canyon Road Livermore, California 94551*. February 1, 2023.

were not identified on the project site. According to the Phase I ESA, the project site was listed in the Facility Index System (FINDS), Hazardous Waste Generators, (RCRA NonGen/NLR), Enforcement and Compliance History Online (ECHO), Hazardous Waste Tracking System (HWTS), and Hazardous waste Information System (HAZNET) databases. However, violations for the project site were not found in the database searches, or the status is listed as inactive. Property listings within 500 feet of the project site were identified from several environmental databases; however, the Phase I ESA did not identify potential RECs related to properties in the vicinity of the project site.

As such, the Phase I ESA concluded that evidence or indication of RECs or conditions indicative of releases or threatened releases of hazardous substances on, at, in, or to the project site has not been revealed, with the exception of historic agricultural uses. The Phase I ESA included recommendations to conduct subsurface environmental assessment work to determine whether or not the project site has been impacted by the potential usage of pesticides. Additionally, potential vapor encroachment conditions were recommended to be addressed as part of the subsurface assessment. The proposed project would be conditioned by the City of Livermore to adhere to all recommendations included within the Phase I ESA prior to building construction.

Any conditions associated with the historic agricultural use of the project site would be considered existing conditions. Impacts of the environment on a project (as opposed to impacts of a project on the environment) are beyond the scope of required CEQA review. "[T]he purpose of an EIR is to identify the significant effects of a project on the environment, not the significant effects of the environment on the project." (*Ballona Wetlands Land Trust v. City of Los Angeles,* [2011] 201 Cal.App.4th 455, 473 [*Ballona*]). The California Supreme Court has held that "CEQA does not generally require an agency to consider the effects of existing environmental conditions on a proposed project's future users or residents. What CEQA does mandate… is an analysis of how a project might exacerbate existing environmental hazards." (*California Building Industry Assn. v. Bay Area Air Quality Management Dist.* [2015] 62 Cal.4th 369, 392; see also *Mission Bay Alliance v. Office of Community Investment & Infrastructure* [2016] 6 Cal.App.5th 160, 197 ["identifying the effects on the project and its users of locating the project in a particular environmental setting is neither consistent with CEQA's legislative purpose nor required by the CEQA statutes"], quoting *Ballona*, *supra*, 201 Cal.App.4th at p. 474). Therefore, for the purposes of the CEQA analysis, the relevant inquiry is not whether the proposed project's future residents would be exposed to existing or post-construction environmental effects, but instead whether the proposed project would exacerbate the existing conditions. Any on-site soils identified as being impacted by the prior agricultural use of the site would be removed from the site and properly handled and disposed of consistent with existing State and local regulations, which would ensure any hazards due to past agricultural use of the site or vapor encroachment would not occur.

Three Zone 7 supply wells are located within the project site. One existing well, located within Parcel M in the southeastern corner of the project site, would remain and be protected within the existing 25-foot easement. As a condition of project approval, the project applicant would be required to field verify and report the wells to Zone 7, and either obtain an abandonment permit to properly abandon the well, or, if required by Zone 7, implement other measures identified by Zone 7, such as providing any necessary upgrades or adjustments to the well and/or well box elevation to match the final grade.

Conclusion

Based on the above, the proposed project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment. Therefore, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR.

c. According to the 2018 INSP EIR, active and existing schools do not exist within 0.25-mile of the INSP area; however, a school overlay zone is proposed within the INSP area, and concluded that implementation of INSP goals and policies to minimize the exposure of new development in the INSP area to hazardous materials, impacts would be less than significant. For example, INSP Policy P-ENV-29 requires documentation of site investigation and any required cleanup to be submitted to City staff during the entitlement review process for individual development projects, and remediation and cleanup of any contaminated sites in the INSP area shall be in accordance with federal and State standards. Since the preparation of the 2018 INSP EIR, the Lily of the Valley Early Education and Preschool has opened, and is located approximately 0.15-mile from the project site. Nonetheless, with implementation of INSP goals and policies, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts beyond what were analyzed in the 2018 INSP EIR.

d. As discussed in the 2018 INSP EIR, three sites within the INSP area are included on a list of hazardous material sites compiled pursuant to Government Code Section 65962.5. However, all three cases are closed and are not located within the vicinity of the project site. Components of the Cortese List include the California Department of Toxic Substances Control (DTSC) EnviroStor Database, the list of leaking underground storage tank sites from the State Water Resources Control Board's (SWRCB's) GeoTracker database, the list of solid waste disposal sites identified by the SWRCB, and the list of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO) from the SWRCB. The project site is not located on any of the aforementioned components of the Cortese List.[18] Therefore, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR.

e. The nearest airport to the project site is the Livermore Municipal Airport, located approximately 0.5-mile southwest of the site. However, as discussed in the 2018 INSP EIR, all areas proposed for residential development in the INSP area are located within and consistent with Safety Zone 6 of the Airport Land Use Compatibility Plan (ALUCP). The ALUCP does not include restrictions on residential development within Zone 6.[19] Therefore, the proposed project would not result in a safety hazard for people residing or working in the project area.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR.

[18] CalEPA. *Cortese List Data Resources*. Available at: https://calepa.ca.gov/sitecleanup/corteselist/. Accessed October 2024.

[19] Alameda County Community Development Agency. *Livermore Executive Airport Airport Land Use Compatibility Plan*. August 2012.

f. The 2018 INSP EIR concluded that INSP development could impair implementation of the Alameda County Operations Plan, the Alameda County Local Hazard Mitigation Plan (LHMP), or the Tri-Valley Hazard Mitigation Plan, but compliance with the City of Livermore General Plan and INSP policies would result in less-than-significant impacts related to impairment of implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

Since the preparation of the 2018 INSP EIR, the City of Livermore adopted the City of Livermore Emergency Operations Plan in January 2018.[20] The plan provides a basis for future responses to a wide range of citywide hazards and vulnerabilities. The plan outlines the general authority, organization, and response actions for City of Livermore staff when disasters occur. Implementation of the proposed project would not result in any substantial modifications to the existing roadway system and, thus, would not physically interfere with the Emergency Operations Plan, particularly with any emergency evacuation routes. In addition, since the preparation of the 2018 INSP EIR, the City has updated and adopted the Tri-Valley Local Hazard Mitigation Plan (LHMP),[21] which guides hazard mitigation planning to protect the people and property of the Tri-Valley region from the effects of hazard events. The proposed project would be consistent with what has been planned for the site and would not include land uses or operations that could impair implementation of the Emergency Operations Plan or LHMP. Therefore, the proposed project would not interfere with an emergency evacuation or response plan, and the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR.

g. According to the 2018 INSP EIR, none of the INSP area is located within a Very High Fire Hazard Severity Zone (FHSZ), and the 2018 INSP EIR concluded that with implementation of existing State and local programs and regulations, as well as INSP policies, impacts would be less than significant.

The proposed project is consistent with the type and intensity of development anticipated by the INSP for the project site, which assumed the development of residential and open space uses. According to the California Department of Forestry and Fire Protection (CAL FIRE) Fire and Resource Assessment Program, while the project site is not located within or near a Very High FHSZ or State Responsibility Area, a High FHSZ is located to the east in close proximity to the project site.[22] However, the proposed project would include the removal of existing on-site vegetation, which would reduce wildfire risks. Furthermore, residential development would be required to include fire sprinklers, and other fire suppression features, consistent with the CBSC and California Fire Code (CFC).

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

[20] City of Livermore. *Emergency Operations Plan*. January 2018.
[21] City of Dublin, City of Livermore, City of Pleasanton, Dublin San Ramon Services District. *Tri-Valley Local Hazard Mitigation Plan*. January 2024.
[22] California Department of Forestry and Fire Protection. *Alameda County, Very High Fire Hazard Severity Zones in LRA*. September 3, 2006.

Prior Mitigation Measures

None Required.

X. HYDROLOGY AND WATER QUALITY. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	2018 EIR pgs. 3.9-19 to 3.9-23, and pg. 3.9-28	No	No	No
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	2018 EIR pgs. 3.9-24 to 3.9-25	No	No	No
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i. Result in substantial erosion or siltation on- or off-site;	2018 EIR pgs. 3.9-25 to 3.9-26	No	No	No
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	2018 EIR pgs. 3.9-25 to 3.9-26	No	No	No
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	2018 EIR pgs. 3.9-26 to 3.9-28	No	No	No
iv. Impede or redirect flood flows?	2018 EIR pg. 3.9-29	No	No	No
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	2018 EIR pgs. 3.9-29 to 3.9-30	No	No	No
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	N/A	No	No	No

Discussion

a. The 2018 INSP EIR analyzed the INSP's potential to result in impacts related to water quality and concluded that future projects implemented under the INSP would be required to comply with NPDES requirements during construction and would be designed in accordance with the Phase I Municipal Separated Storm Sewer Systems (MS4) Permit, Provision C.3.c, for post-construction stormwater management including low impact development (LID). Future specific projects would also be required to adhere to all INSP intended to avoid or minimize increases in stormwater flows and the associated degradation of water quality. As such, impacts related to water quality were determined to be less than significant.

The currently proposed project would be constructed within the footprint of the previously analyzed project site. As such, impacts to water quality associated with the proposed project were previously considered within the 2018 INSP EIR. Nonetheless, the following discussion demonstrates how the proposed project would not violate water quality standards/waste discharge requirements or otherwise degrade water quality during construction and operation.

Construction

During the early stages of construction activities, topsoil would be exposed during ground-disturbance. Prior to overlaying the ground surface with impervious surfaces and structures, the potential exists for wind and water erosion to discharge sediment and/or urban pollutants into stormwater runoff, which could adversely affect water quality downstream.

The SWRCB regulates stormwater discharges associated with construction activities where clearing, grading, or excavation results in a land disturbance of one or more acres. The City's NPDES permit requires applicants to show proof of coverage under the State's General Construction Permit prior to receipt of any construction permits. The State's General Construction Permit requires a SWPPP to be prepared for the site. A SWPPP describes BMPs to control or minimize pollutants from entering stormwater and must address both grading/erosion impacts and non-point source pollution impacts of the development project. Because the proposed project would disturb greater than one acre of land, the proposed project would be subject to the requirements of the State's General Construction Permit.

In addition, the proposed project would be required to comply with Chapter 13.45, Stormwater Management and Control Program, of the City's Municipal Code, which includes standards for managing stormwater runoff during construction and operation. Pursuant to Section 13.45.090, any construction contractor performing work in the City must provide filter materials at the catch basin to retain any debris and dirt flowing into the City's stormwater system. Therefore, the proposed project would not discharge sediment or urban pollutants through soil erosion, violate any water quality standards or waste discharge requirements, or otherwise substantially degrade surface or ground water quality during construction.

Operation

The proposed residential and open space uses would not involve operations typically associated with the generation or discharge of polluted water. Following completion of project buildout, disturbed areas of the site would be largely covered with impervious surfaces or landscaping, and topsoil would no longer be exposed. All municipalities within Alameda County (and the County itself) are required to develop more restrictive surface water control standards for new development projects as part of the renewal of the Countywide NPDES permit. Thus, typical operations on the project site would not violate any water quality standards or waste discharge requirements, nor degrade water quality.

A Preliminary Stormwater Quality Control Plan has been prepared for the proposed project that demonstrates the project's compliance with the most recent Alameda Countywide Clean Water Program C.3 Stormwater Technical Guidance,[23] as well as all applicable City

[23] Alameda Countywide Clean Water Program. *C.3 Stormwater Technical Guidance.* February 8, 2021.

stormwater requirements. In compliance with the C.3 Stormwater Technical Guidance (see Figure 8).

The proposed stormwater design would comply with the City's MRP using the guidelines provided in the Clean Water Program's C.3 Stormwater Technical Guidance Manual. In order to manage and treat stormwater, the project site would be divided into various DMAs to collect and convey stormwater to the various on-site -LID treatment features, including LID measures located in Parcel M. Once stormwater has passed through the LID treatment measure, the stormwater would be conveyed to the City's existing storm drain system in either Collier Canyon Road or Constitution Drive. Hydromodification measures would be implemented as required by the MRP utilizing the Alameda County Clean Water Program's C.3 Stormwater Technical Guidance Manual.

Based on the above, the proposed project would comply with the requirements of the SWRCB and the RWQCB, and would meet or exceed C.3 Standards. Therefore, during operation, the project would comply with all relevant water quality standards and waste discharge requirements, and would not degrade water quality.

Conclusion

Based on the above information, through required compliance with federal, State, and local regulations, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

b,e. It should be noted that the 2020 INSP SEIR did not expressly address the INSP's potential to conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. However, the 2018 INSP EIR analyzed the INSP's potential to substantially deplete groundwater supplies or interfere substantially with groundwater recharge and concluded buildout of the INSP would result in a less-than-significant impact due to implementation of hydromodification BMPs, LID measures, and design guidelines, as well as adequate water supply to accommodate buildout.

Water supplies in the northwest, northeast, and eastern portions of the City of Livermore, including the project site, are provided by Livermore Municipal Water. Pursuant to the City of Livermore 2020 Urban Water Management Plan (UWMP), the City does not pump groundwater to meet any water demands of the municipal water service area and does not overly an adjudicated/unadjudicated basin. However, the City does retain a pumping quota of approximately 30 acre-feet per year (AFY) from the Livermore-Amador Valley Groundwater Basin, an unadjudicated basin.

Bulletin 118 – Interim Update 2016 defines 517 groundwater basins and subbasins in California. Per the Sustainable Groundwater Management Act (SGMA), the Department of Water Resources (DWR) is required to prioritize the 517 groundwater basins and subbasins as either High, Medium, Low, or Very Low. Prioritization is based on the following considerations:

- The population overlying the basin or subbasin;
- The rate of current and projected growth of the population overlying the basin or subbasin;
- The number of public supply wells that draw from the basin or subbasin;

- The total number of wells that draw from the basin or subbasin;
- The irrigated acreage overlying the basin or subbasin;
- The degree to which persons overlying the basin or subbasin rely on groundwater as their primary source of water;
- Any documented impacts on the groundwater within the basin or subbasin, including overdraft, subsidence, saline intrusion, and other water quality degradation; and
- Any other information determined to be relevant by the department, including adverse impacts on local habitat and local streamflows.

Each basin's priority determines which provisions of California Statewide Groundwater Elevation Monitoring and SGMA apply. SGMA requires Medium and High priority basins to develop groundwater sustainability agencies, develop groundwater sustainability plans, and manage groundwater for long-term sustainability. The Livermore-Amador Valley Groundwater Basin is considered Medium Priority per the DWR[24] and is addressed by the Zone 7 Groundwater Management Plan (2005 GMP).[25] The DWR has not identified the Basin as either in overdraft or expected to be in overdraft.[26]

Pursuant to the 2020 UWMP, water supplies are projected to meet expected demand during five-year droughts beginning in 2025, 2030, 2035, 2040, and 2045. The proposed project would be consistent with the General Plan and INSP land use designations of the project site, and would not be anticipated to result in increased demand than what was previously analyzed. In addition, all landscaping improvements would be consistent with Section 13.25 of the Municipal Code, Water Efficient Landscape, and would be irrigated by an automatic irrigation system. Therefore, the project would not result in substantially increased use of groundwater supplies beyond what has been anticipated for the site by the City and accounted for in the UWMP.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would be consistent with the conclusions of the 2018 INSP EIR.

c.i-iii. The 2018 INSP EIR analyzed the INSP's potential to alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion, siltation, or flooding on- or off-site, or result in polluted runoff. The 2018 INSP EIR concluded that impacts would be less than significant with implementation of existing regulations, including NPDES requirements, Phase I MS4 Permit, Provision C.3.c, for post-construction stormwater management, as well as INSP policies and design guidelines.

As discussed above, the project is required to comply with C.3 Standards. Specifically, post-project stormwater discharge rates and durations may not exceed pre-project discharge rates and durations. Compliance with C.3 Standards would be sufficient to ensure that the proposed project does not exceed the capacity of existing storm drain

[24] Department of Water Resources. *Sustainable Groundwater Management Act 2018 Basin Prioritization* [Table A-1]. January 2019.

[25] Zone 7 Water Agency. *Groundwater Management Plan for Livermore-Amador Valley Groundwater Basin.* September 2005.

[26] Zone 7 Water Agency. *2015 Urban Water Management Plan* [pg. 6-7]. March 31, 2016.

infrastructure, cause flooding on- or off-site, or result in off-site erosion or siltation after development of the site.

As discussed previously and demonstrated in Figure 8, the proposed project has been designed to incorporate operational design features that would provide on-site stormwater treatment. Specifically, on-site stormwater treatment would be provided by the proposed bioretention areas located throughout the project site, as well as the raised bioretention planters. As shown in Figure 8, the bioretention areas would be adequately sized to handle stormwater runoff from all areas within the project site. Thus, development of the project site would not contribute substantial amounts of stormwater.

The proposed project would be implemented within the footprint of the previously analyzed INSP area, and would result in similar development as what was anticipated in the 2018 INSP EIR.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would be consistent with the conclusions of the 2018 INSP EIR.

c.iv, d. According to the 2018 INSP EIR, the INSP area is not located within a tsunami inundation area, and large bodies of freshwater, such as reservoirs or lakes, are not located within the INSP area. Landslide susceptible land is not designated for residential uses under the INSP. Therefore, the 2018 INSP EIR concluded that no impact related to inundation by seiche, tsunami, or mudflow would occur.

The currently proposed project would be constructed within the footprint of the previously analyzed project site. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map number 06001C0344G, the project site is located within an Area of Minimal Flood Hazard (Zone X).[27] The site is not classified as a Special Flood Hazard Area or otherwise located within a 100-year or 500-year floodplain. In addition, given the site is not located in proximity to a coastline or near a large closed body of water, the risk of tsunamis, flooding, or seiches is low to negligible at the project site.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would be consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

[27] Federal Emergency Management Agency. *Flood Insurance Rate Map 06001C0333G.* Effective August 2, 2009.

XI. LAND USE AND PLANNING. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Physically divide an established community?	2018 EIR pg. 3.1-16	No	No	No
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	2018 EIR pg. 3.1-17 to 3.1-25	No	No	No

Discussion

a. According to the 2018 INSP EIR, the INSP goals and policies, along with the land use diagram and development standards for each land use designation, were designed to promote compatibility with existing uses. The INSP does not allow for development of new neighborhoods distant or divided from established communities. As such, the 2018 INSP EIR concluded the INSP would not divide an established community, and a less-than-significant impact would occur.

The currently proposed project would be consistent with the General Plan land use and zoning designations of the project site. Furthermore, the currently proposed project would be built within the footprint of the previously analyzed INSP area, and would be consistent with the type of residential uses anticipated for development on the site within the INSP. The proposed project does not include any linear features, such as roads, walls, or railroad lines, that would physically divide an established community. Therefore, the proposed project would not divide an established community.

Based on the above, the proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR and would remain consistent with the conclusions of the 2018 INSP EIR.

b. The 2018 INSP EIR assessed the INSP's potential to cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect specifically related to the project's consistency with the City of Livermore General Plan and zoning ordinance.

According to the 2018 INSP EIR, because the INSP would update policies and land use designations for future development in the INPS area, the INSP is inconsistent with existing regulations by nature. The INSP's regulatory framework would replace the existing General Plan land use designations and zoning standards regulating the development of properties in the INSP area. The INSP also includes amendments to General Plan policies and zoning regulations related to scenic views and airport compatibility. Amendments may also be needed to conform to State or federal law passed following adoption of the INSP, and to eliminate or modify policies that may become obsolete or unrealistic due to changed conditions. However, the General Plan and Development Code would be amended to accommodate development resulting from implementing the INSP. The INSP would help to fulfill existing General Plan goals, and the INSP does not conflict with other applicable agencies' plans, policies, or regulations. Thus, the impact was determined to be less than significant.

The currently proposed project would be consistent with the existing General Plan land use and zoning designations of the project site. Furthermore, as the currently proposed project would be built within the footprint of the previously analyzed INSP area, and would be consistent with the site's INSP land use designations, the proposed park project would not conflict with the INSP. As discussed previously, the project applicant is requesting waivers and concessions to exceed the Performance Measure maximum building height. With the exception of the requested waivers and concessions allowed under State Density Bonus Law, the proposed project would otherwise meet the design requirements set forth for the site. Given that State law supersedes local ordinance, the proposed project's use of State Density Bonus Law to waive the INSP Scenic Corridor Policy requirements related to building height and setback requirements does not result in a Specific Plan inconsistency. Therefore, the proposed project would not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect.

Based on the above, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

XII. MINERAL RESOURCES. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	2018 EIR pgs. 3.15-1 to 3.15-2	No	No	No
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	2018 EIR pgs. 3.15-1 to 3.15-2	No	No	No

Discussion

a,b. According to the 2018 INSP EIR, the INSP area does not have known mineral resources of regional or statewide value, or locally-important mineral resource recovery sites that are delineated on a land use plan, and the INSP would have no impact on mineral resources.

Currently, the site is vacant and undeveloped and is not used for mining of mineral resources. In addition, the proposed project would be implemented within the previously analyzed footprint of the 2018 INSP EIR. As such, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. Therefore, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

XIII. NOISE. *Would the project result in:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	2018 EIR pgs. 3.6-20 to 3.6-34, pgs. 3.6-38 to 3.6-39 2020 SEIR pgs. 3.4-18 to 3.4-33, 3.4-38 to 3.4-40	No	No	No
b. Generation of excessive groundborne vibration or groundborne noise levels?	2018 EIR pgs. 3.6-34 to 3.6-38 2020 SEIR pgs. 3.4-34 to 3.4-38	No	No	No
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	2018 EIR pgs. 3.6-40 to 3.6-44 2020 SEIR pgs. 3.4-40 to 3.4-44	No	No	No

Discussion

a. The 2020 INSP SEIR analyzed the INSP's potential to generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established by the City of Livermore. Temporary noise increases associated with construction of individual development projects within the INSP area were determined to be less than significant given that construction would be required to comply with the hourly restrictions for construction activities or receive approval from the City to deviate from the limitations, pursuant to Chapter 9.36 of the Livermore Municipal Code. With respect to operational noise associated with traffic, potentially significant traffic noise impacts to existing residences would be expected to occur along three roadway segments under the INSP (Portola east of Tranquility Circle, East Airway Boulevard east of Sutter Street and west of Via Mateo, and East Airway Boulevard east of Via Mateo and West/N of Portola Avenue). With the exception of the freeway soundwall along Portola Avenue, other intervening soundwalls or other features that would reduce the contribution of future projects under the INSP are not feasible along the aforementioned roadway segments. Therefore, the 2020 INSP SEIR concluded that project-related traffic noise impacts along three roadway segments would be significant and unavoidable.

The following provides a discussion of noise associated with construction and operation of the proposed project.

Construction Noise

The 2020 INSP SEIR's analysis of potential noise impacts associated with buildout of the INSP accounted for noise generated during construction activities. Implementation of the proposed project would generate noise during construction by the use of construction equipment. Construction activities associated with residential development include grading, excavation work, pouring of foundations, and framing and finishing of structures. Infrastructure work would also include building new roadways and installing utilities. Such construction activities typically generate noise levels ranging from 75 to 85 dBA at a distance of 50 feet. Construction-related noise would drop off at the rate of about six decibels (6 dBA) with each doubling of the distance. Therefore, construction noise levels would fluctuate during the buildout period and occasionally and intermittently would exceed existing ambient noise levels substantially at adjacent land uses.

The nearest sensitive receptors to the project site would be the Lily of the Valley Early Elementary and Preschool. The nearest on-site construction would occur approximately 1,050 feet to the east of the common outdoor area associated with the preschool. In addition, multi-family residences are located north of the project site, across Portola Avenue, approximately 1,000 feet away from the project site. Noise levels experienced at the preschool and the nearest residences would likely be reduced by at least 29.5 dB, resulting in a maximum noise level exposure of 59.5 dB. In addition, construction activities associated with the proposed project would be separated from nearby sensitive receptors by existing development and vegetation, which would help to dissipate noise levels.

Because the proposed project would be subject to the required construction hours pursuant to Chapter 9.36 of the Livermore Municipal Code, the proposed project would not cause any additional construction noise that would exceed what was already evaluated in the 2020 INSP SEIR. Therefore, the proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe significant impacts from what has been anticipated for the INSP.

Project Operational Noise

The operation of the proposed project would include typical residential noise such as landscape maintenance, HVAC systems, etc., which would be compatible with the adjacent existing commercial uses. As such, the proposed project is not anticipated to contribute a measurable operational noise level increase to the existing ambient noise environment at any sensitive receptor locations.

The primary noise source associated with the operation of the proposed project would be traffic noise on local roadways. As part of the Transportation Assessment conducted for the proposed project, Fehr & Peers determined the proposed project would generate an increase of approximately 1,466 trips per day, including 96 AM peak hour trips and 112 PM peak hour trips.[28]

Based on Figure 3.4-2 of the 2020 INSP SEIR, the project site is located in an area with existing noise levels of 60 to 75 dBA CNEL. Pursuant to the Federl Interagency Committee on Noise (FICON) criteria presented in Table 5, where existing traffic noise levels are between 60 and 65 dB L_{dn} at the outdoor activity areas of noise-sensitive uses, a +3 dB L_{dn} increase in roadway noise levels would be considered significant. Generally, a doubling in traffic volumes is required to increase traffic noise levels by 3.0 dB, which

[28] Fehr & Peers. *Cornerstone Church and Chu Property Residential Development – Transportation Assessment.* January 11, 2023.

is considered to be the threshold for a significant increase pursuant to the FICON. The increase of approximately 1,466 trips per day associated with the proposed project would not result in a doubling of traffic volumes along area roadways. Therefore, the proposed project would not result in a substantial increase in noise levels related to vehicle traffic, and increased traffic noise generated from implementation of the proposed project would result in a less-than-significant impact related to transportation noise.

Table 5
FICON Noise Exposure Increases for Determining Level of Significance

Noise Exposure without Project	Potential Significant Impact
< 60 dB CNEL	5 dB or more
60-65 dB CNEL	3 dB or more
>65 dB CNEL	1.5 dB or more

Source: Federal Interagency Committee on Noise.

Therefore, the proposed project would not cause any additional operational noise that would exceed what was already anticipated in the 2020 INSP SEIR. Therefore, additional noise control mitigation measures would not be required for operational noise, and proposed project would not result in any changes, new circumstances, or new information that would involve new significant impacts or substantially more severe significant impacts than were anticipated for the 2020 INSP SEIR.

Conclusion

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2020 INSP SEIR. Therefore, the proposed project would be consistent with the conclusions of the 2020 INSP SEIR.

b. Similar to noise, vibration involves a source, a transmission path, and a receiver. However, noise is generally considered to be pressure waves transmitted through air, whereas vibration usually consists of the excitation of a structure or surface. As with noise, vibration consists of an amplitude and frequency. A person's perception to the vibration depends on their individual sensitivity to vibration, as well as the amplitude and frequency of the source and the response of the system which is vibrating.

Vibration is measured in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration in terms of peak particle velocities (PPV) in inches per second (in/sec). Standards pertaining to perception as well as damage to structures have been developed for vibration levels defined in terms of PPV.

Human and structural response to different vibration levels is influenced by a number of factors, including ground type, distance between source and receptor, duration, and the number of perceived vibration events. Table 6, which was developed by Caltrans, shows the vibration levels that would normally be required to result in damage to structures.

Table 6
Effects of Vibration on People and Buildings

PPV		Human Reaction	Effect on Buildings
mm/sec	in/sec		
0.15 to 0.30	0.006 to 0.019	Threshold of perception; possibility of intrusion	Vibrations unlikely to cause damage of any type
2.0	0.08	Vibrations readily perceptible	Recommended upper level of the vibration to which ruins and ancient monuments should be subjected
2.5	0.10	Level at which continuous vibrations begin to annoy people	Virtually no risk of "architectural" damage to normal buildings
5.0	0.20	Vibrations annoying to people in buildings (this agrees with the levels established for people standing on bridges and subjected to relative short periods of vibrations)	Threshold at which there is a risk of "architectural" damage to normal dwelling - houses with plastered walls and ceilings. Special types of finish such as lining of walls, flexible ceiling treatment, etc., would minimize "architectural" damage
10 to 15	0.4 to 0.6	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Vibrations at a greater level than normally expected from traffic, but would cause "architectural" damage and possibly minor structural damage

Source: Caltrans. Transportation Related Earthborne Vibrations. TAV-02-01-R9601. February 20, 2002.

As shown in the table, the threshold for architectural damage to structures is 0.20 in/sec PPV and continuous vibrations of 0.10 in/sec PPV, or greater, would likely cause annoyance to sensitive receptors.

The 2020 INSP SEIR determined that future construction activities associated with buildout of the INSP could result in significant vibration impacts due to the use of pile drivers within the vicinity of sensitive receptors. The 2020 INSP SEIR concluded that even with implementation of INSP Policy P-ENV-6, which requires construction contractors to implement measures to help reduce vibration levels at nearby sensitive receptors, impacts would remain significant and unavoidable. Additional mitigation measures were not available.

The proposed project would only cause elevated vibration levels during construction, as the proposed project would not involve any uses or operations that would generate substantial groundborne vibration. Although noise and vibration associated with the construction phase of the project would add to the noise environment in the immediate project vicinity, construction activities would be temporary in nature and occur during normal daytime working hours. Because the proposed project would not cause continuous, long-term vibrations, the project would not be expected to result in extended annoyance to sensitive receptors.

The primary vibration-generating activities associated with the proposed project would occur during grading, placement of utilities, and construction of foundations. Table 7 shows the typical vibration levels produced by construction equipment at various

distances. The most substantial source of groundborne vibrations associated with project construction would be the use of vibratory compactors.

Table 7
Vibration Levels for Various Construction Equipment

Type of Equipment	PPV at 25 feet (in/sec)	PPV at 50 feet (in/sec)
Large Bulldozer	0.089	0.029
Loaded Trucks	0.076	0.025
Small Bulldozer	0.003	0.000
Auger/drill Rigs	0.089	0.029
Jackhammer	0.035	0.011
Vibratory Hammer	0.070	0.023
Vibratory Compactor/roller	0.210	0.070

Source: Federal Transit Administration, Transit Noise and Vibration Impact Assessment Guidelines, May 2006.

Operation of vibratory compactors/rollers used for construction of the proposed internal roadway would operate at a distance of 1,000 feet or further from the nearest existing residential structure. Thus, pursuant to the vibration levels shown in Table 7, groundborne vibrations would be less than 0.070 in/sec PPV, which would be below the 0.10 in/sec PPV threshold established by Caltrans for annoyance to sensitive receptors. In addition, the proposed project would be subject to INSP Policy P-ENV-6.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than what were previously analyzed in the 2020 INSP SEIR.

c. The 2020 INSP SEIR concluded that all proposed land uses under the INSP would be compatible with the Noise Compatibility Criteria included in the Livermore Municipal Airport ALUCP, and, therefore, impacts related to the exposure of people residing or working in the INSP area to excessive noise levels from aircraft at a public airport would be less than significant. The proposed project would be consistent with the land uses assumed for the project site within the INSP. Therefore, the proposed project would not expose people residing or working in the project area to excessive noise levels.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts beyond what were analyzed in the 2020 INSP SEIR.

Prior Mitigation Measures

None required.

XIV. POPULATION AND HOUSING. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (e.g., through projects in an undeveloped area or extension of major infrastructure)?	2018 EIR pg. 3.1-25 to 3.1-29	No	No	No
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	2018 EIR pg. 3.1-29 to 3.1-32	No	No	No

Discussion

a. According to the 2018 INSP EIR, the INSP could result in the addition of approximately 9,800 new residents, which would represent a substantial share of planned growth in the City. However, the direct inducement of population growth through new housing and businesses would not be considered a significant impact because such level of development is within the overall General Plan capacity. In addition, the 2018 INSP EIR further noted that infrastructure and roadway improvements would serve infill development of vacant and underutilized parcels and to a lesser degree, redevelopment of existing uses. Additionally, the INSP focuses on policies for making streets more efficient for transit, bicycles, and walking rather than adding capacity for automobiles. As such, the 2018 INSP EIR concluded that significant growth-inducing impacts would not occur.

The proposed project would include the development of a total of 253 residential units on a site long designated for such specific residential uses. The proposed project would include the development of 253 residential units. Using the U.S. Census Bureau average person per household value for the City of 2.82, the proposed project would generate approximately 714 additional residents (253 x 2.82 = 713.46).[29] The increase in population associated with the proposed project is within the 9,800 new residents anticipated within the 2018 INSP EIR. The proposed project would include connection to existing City utility infrastructure and would not result in the need for expansion of services. Given the consistency of the proposed project with the INSP land use designations and the zoning designation for the site, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts beyond those analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

b. The 2018 INSP EIR determined that existing residential areas within the INSP area would retain a residential land use designation, consistent with existing densities, and the INSP would not result in the direct displacement of any housing or residents. While the INSP could result in displacement due to increased property values leading to rising housing costs in the INSP area, the 2018 INSP EIR concluded that the INSP would not result in regional displacement. The project site is currently vacant and does not include existing housing or other habitable structures. As such, the proposed project would not displace a substantial number of existing housing or people and would not necessitate the construction of replacement housing elsewhere. Therefore, the currently proposed project

[29] U.S. Census Bureau. *Quick Facts, City of Livermore, California.* Available at: https://www.census.gov/quickfacts/livermorecitycalifornia. Accessed October 2024.

would not result in new significant impacts or substantially more severe significant impacts beyond those analyzed in the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

XV. PUBLIC SERVICES.

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Fire protection?	2018 EIR pgs. 3.11-12 to 3.11-17	No	No	No
b. Police protection?	2018 EIR pgs. 3.11-12 to 3.11-17	No	No	No
c. Schools?	2018 EIR pgs. 3.11-12 to 3.11-17	No	No	No
d. Parks?	2018 EIR pgs. 3.11-10 to 3.11-12	No	No	No
e. Other Public Facilities?	2018 EIR pgs. 3.11-12 to 3.11-17	No	No	No

Discussion

a. The 2018 INSP EIR analyzed the potential for buildout of the INSP to result in substantial adverse physical impacts related to fire protection and concluded that a less-than-significant impact would occur. According to the 2018 INSP EIR, the Livermore-Pleasanton Fire Department (LPFD) would provide fire protection services to the INSP area, and the existing nearby fire stations would provide sufficient coverage for the INSP area, and new facilities would be not required to serve new development resulting from implementation of the INSP.

The proposed project's area of impact would be within the footprint of the previously analyzed INSP. The nearest fire station to the project site is Station #10, located at 330 Airway Boulevard, approximately 1.4 miles from the project site. The INSP identifies the 13-acre project site as Residential Village, Residential Center, and Open Space, which assumed the development of residential uses and open space. As such, demand associated with the proposed project was previously anticipated within the 2018 INSP EIR. In addition, the proposed project would be required to install appropriate fire suppression systems in accordance with the Uniform Fire Code and the California Fire Code requirements.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in

the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

b. The City of Livermore Police Department (LPD) would provide police services to the INSP area. According to the 2018 INSP EIR, while development of the INSP would require a small police substation within the INSP area, impacts resulting from increased demand on police services and construction of the substation would be less than significant.

The City's Police Department headquarters is located at 1197 South Livermore Avenue, approximately 4.5 miles from the project site. The INSP identifies the 13-acre project site as Residential Village, Residential Center, and Open Space, which assumed the development of residential uses and open space. As such, demand associated with the proposed project was previously anticipated within the 2018 INSP EIR. Therefore, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

c. According to the 2018 INSP EIR, based on development of approximately 3,890 housing units at buildout, implementation of the INSP would add a maximum of approximately 1,930 students to Livermore Valley Joint Unified School District (LVJUSD) enrollment. When combined with the LVJUSD current student population of 13,331 students, the increase of 1,930 students would result in a total of 15,261 students, which would remain within the LVJUSD overall capacity of 15,500 students. The combination of Statutory Developer fees and INSP policies listed below that support school resources are expected to provide adequate capacity to meet demand for school facilities, and development of the INSP would result in a less-than-significant impact related to school facilities.

Operation of the LVJUSD is funded primarily through School Impact Mitigation Development Fees, which the proposed project would be required to pay. Proposition 1A/SB 50 prohibits local agencies from using the inadequacy of school facilities as a basis for denying or conditioning approvals of any "[…] legislative or adjudicative act…involving …the planning, use, or development of real property" (Government Code 65996(b)). Satisfaction of the Proposition 1A/SB 50 statutory requirements by a developer is deemed to be "full and complete mitigation." As such, the increase in students to the surrounding schools from the 253 proposed residential units would not be substantial, and would be compensated for through payment of the appropriate fee School Impact Mitigation Development Fees.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts beyond what were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

d. The 2018 INSP EIR analyzed the potential for buildout of the INSP to result in substantial adverse physical impacts related to increased demand on parks and determined that development of new recreational facilities within the INSP area would be subject to existing building and construction regulations that would ensure that construction activities have a minimal effect on the surrounding environment. Existing regulations, the General Plan, and INSP policies would ensure that development of the INSP would result in a less-than-significant impact related to construction of park facilities.

Pursuant to City of Livermore Municipal Code Section 12.60.020(D), the City of Livermore requires 5.5 acres of park facilities per 1,000 residents. As noted previously, buildout of the proposed project would result in an increase of approximately 714 new residents to the INSP area. As a result, approximately 3.927 acres of parkland would be required to achieve the desired parkland ratio (0.0055 acres of parkland per resident x 714 new residents = 3.927 acres of parkland).The proposed project would include the development of a 2.53 acre public park, which would serve the residents of the proposed project. However, the proposed project would be required to pay a park facilities fee. The amount of the fee would be calculated based on Section 12.60.050 of the Municipal Code. The park facilities fee would be used to fund park facilities within the City, including land for public parks and capital improvements necessary to provide park and recreation services.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

e. Other public facilities analyzed within the 2018 INSP EIR included public libraries. According to the 2018 INSP EIR, an established industry standard for the amount of library space per capita of population does not exist. Because population growth associated with development of the INSP is accounted for under the remaining General Plan capacity, existing library facilities would accommodate the additional demand for library services. As such, the 2018 INSP EIR concluded that impacts would be less than significant.

The proposed project would include the development of *253* residential units designated for such uses. The nearest Livermore Public Library to the project site is the Rincon Branch, located at 725 Rincon Avenue, approximately 2.5 miles southeast of the project site, which could potentially be used by residents of the proposed project. While the proposed project's increase to the City's population could result in increased demand for services offered by the Rincon Branch, such demand would not exceed what was previously analyzed in the 2018 INSP EIR. Therefore, the proposed project could result in increased demand on existing library facilities or necessitate the construction or expansion of new facilities. Therefore, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

XVI. RECREATION. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	2018 EIR pgs. 3.11-8 to 3.11-10	No	No	No
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	2018 EIR pgs. 3.11-10 to 3.11-12	No	No	No

Discussion

a,b. As discussed above, the 2018 INSP EIR analyzed the potential for buildout of the INSP to result in substantial adverse physical impacts related to increased demand on parks and determined that development of the INSP area could result in a new population at buildout of approximately 13,720 total residents, which would generate demand for approximately 40 acres of parkland. While the proposed 38.4-acre park and plaza space would not meet such parkland demand, the INSP area would include a total of approximately 236.1 acres of combined park, plaza, and passive and scenic open space at buildout. The INSP would include development of a total of 7.4 acres of neighborhood parks located throughout the INSP area. Additionally, new development within the INSP area would be required to dedicate park and recreational facilities or pay in-lieu fees that are used to build and maintain parks and recreational facilities. As such, the 2018 INSP EIR determined that all impacts related to recreational facilities would be less than significant.

The proposed project would include the development of 2.53 acres of public park facilities and a public trail. In addition, the proposed project would be required to pay a park facilities fee. The amount of the fee would be calculated based on Section 12.60.050 of the Municipal Code. The park facilities fee would be used to fund park facilities within the City, including land for public parks and capital improvements necessary to provide park and recreation services.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

XVII. TRANSPORTATION. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	2018 EIR pgs. 3.2-32 to 3.2-63, and 3.2-65 2020 SEIR pgs. 3.2-31 to 3.2-50, and 3.2-74	No	No	No
b. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	N/A	No	No	Yes
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	2018 EIR pg. 3.2-64 2020 SEIR pg. 3.2-73	No	No	No
d. Result in inadequate emergency access?	2018 EIR pg. 3.2-64 2020 SEIR pg. 3.2-74	No	No	No

Discussion

a. The 2018 EIR and the 2020 INSP SEIR both performed a level of service (LOS) analysis for several roadway segments and intersections within the project vicinity and concluded that a significant and unavoidable impact would occur, with mitigation measures unavailable. However, the law has changed with respect to how transportation-related impacts may be addressed under CEQA. Traditionally, lead agencies used LOS to assess the significance of such impacts, with greater levels of congestion considered to be more significant than lesser levels. In 2013, however, the Legislature passed legislation with the intention of ultimately doing away with LOS in most instances as a basis for environmental analysis under CEQA. Pursuant to SB 743, the Natural Resources Agency promulgated CEQA Guidelines Section 15064.3 in late 2018. Subdivision (a) of that section provides that "[g]enerally, vehicle miles traveled is the most appropriate measure of transportation impacts. For the purposes of this section, 'vehicle miles traveled' refers to the amount and distance of automobile travel attributable to a project. Other relevant considerations may include the effects of the project on transit and non-motorized travel. Except as provided in subdivision (b)(2) below (regarding roadway capacity), a project's effect on automobile delay shall not constitute a significant environmental impact."[30]

Subdivision (c) of Section 15064.3 (Applicability) states that "[t]he provisions of this section shall apply prospectively *as described in Section 15007*. A lead agency may elect to be governed by the provisions of this section immediately. Beginning on July 1, 2020, the provisions of this section shall apply statewide." (Italics added) CEQA Guidelines Section

[30] Subdivision (b)(2) of section 15064.3 ("transportation projects") provides that "[t]ransportation projects that reduce, or have no impact on, vehicle miles traveled should be presumed to cause a less than significant transportation impact. For roadway capacity projects, agencies have discretion to determine the appropriate measure of transportation impact consistent with CEQA and other applicable requirements. To the extent that such impacts have already been adequately addressed at a programmatic level, such as in a regional transportation plan EIR, a lead agency may tier from that analysis as provided in Section 15152."

15007, subdivision (b), provides that "[a]mendments to the Guidelines apply *prospectively only*. New requirements in amendments will apply to steps in the CEQA process not yet undertaken by the date when agencies must comply with the amendments." (Italics added) Subdivision (c) adds that "[i]f a document meets the content requirements in effect when the document is sent out for public review, the document shall not need to be revised to conform to any new content requirements in Guideline amendments taking effect before the document is finally approved." These provisions, read together with Section 15064.3, subdivision (c), make it clear that the VMT requirement did not apply to Draft EIRs issued before July 1, 2020. And where a Draft EIR has been issued prior to July 1st, the Final EIR need not address the issue either. This position was articulated by Jeannie Lee, legal counsel in the Governor's OPR, in publicly broadcast webcasts in 2020. In addition, VMT guidance by the Governor's Office of Planning and Research ("OPR") specifically confirms that when relying on an EIR prepared before the introduction of VMT analysis, the lead agency may use its discretion to conclude that VMT analysis is not required for projects consistent with the earlier EIR (see https://opr.ca.gov/ceqa/sb-743/faq.html). OPR's guidance reflects the fact that the agency construes VMT as a new standard to be phased in over time for new environmental analysis, rather than as a policy that invalidates the many prior EIRs previously certified under then-applicable thresholds of significance.

Thus, the former obligation under CEQA to address LOS in transportation analyses has ceased to exist, except (at agencies' discretion) with respect to transportation projects. EIRs for land use projects such as the INSP are therefore not required to address LOS issues, and "automobile delay," as described in terms of LOS, "shall not be considered a significant impact on the environment." This Initial Study/15182 Checklist, prepared pursuant to CEQA Guidelines Section 15182, represents a very late stage in the CEQA process that follows long after the issuance of a draft program EIR. The new VMT requirement, then, does not apply to this Initial Study/15182 Checklist. Here, the most recent SEIR at issue was published in June 2020, before the VMT requirement took effect statewide.

The following sections provide a discussion regarding impacts bicycle, pedestrian, and transit facilities.

Transit Facilities

According to the 2020 INSP SEIR, development of the INSP would be transit-oriented and would create a diverse mix of land uses, resulting in a concentration of housing, jobs and shopping within walking and bicycle distance. Thus, the 2020 INSP SEIR determined that the INSP would have no impact related to transit facilities.

Public transit within Livermore is provided by the Livermore Amador Valley Transit Authority (LAVATA). The LAVATA provides the WHEELS service, which provides local public transit to the cities of Dublin, Livermore, and Pleasanton, as well as the adjacent unincorporated areas of Alameda County. LAVATA provides a variety of transportation services, including fixed routes, direct access responsive transit (DART), prime time express bus routes, shuttle service, and Dial-A-Ride. The main transit center in the City is the Livermore Transit Center, located in Downtown Livermore. From the Transit Center, riders can connect to Dublin/Pleasanton BART, Lawrence Livermore National Laboratory, Las Positas College, as well as local destinations.

Route 30R provides a loop service to destinations throughout the City of Dublin and the City of Livermore and stops near the project site on Collier Canyon Road. Route 30R

operates Monday through Sunday from 4:43 AM to 11:16 PM.[31] The proposed project does not include any features which could conflict with existing or planned transit facilities, including the Valley Link Project. A number of planned active transportation program (ATP) improvements are anticipated for the INSP area that would facilitate improved pedestrian and bicycle connections to the future Valley Link station. Existing pedestrian facilities in the project vicinity provide adequate connectivity for pedestrians to the transit stops. In addition, the proposed project would not conflict with any planned ATP improvements in the vicinity. Therefore, current transit facilities are adequate and the proposed project would not result in any significant impacts to the nearby transit network. In addition, the currently proposed project is consistent with the scope of development anticipated by the INSP for the project site.

Bicycle and Pedestrian Facilities

The 2020 INSP SEIR determined that implementation of the INSP would include new pedestrian and bicycle connections supporting and expanding upon the improvements identified in the Livermore Bikeways and Trails Master Plan, and concluded that INSP would have no impact related to bicycle and pedestrian facilities.

As shown on Figure 3.2-4 of the 2020 INSP SEIR, existing Class II bike lanes are located in the vicinity of the project site on both sides of Collier Canyon Road, North Canyons Parkway, and Constitution Drive. The proposed project would include a 0.61-acre linear park/trail and a new pedestrian and bicycle path. The new path would run adjacent to Collier Creek and would connect to the sidewalks on Collier Canyon Road and Constitution Drive. The aforementioned path was included as a planned Class I paved shared use path in the City of Livermore Bicycle, Pedestrian, and Trails Active Transportation Plan.[32] In addition, an existing sidewalk along Collier Canyon Road extends north and south with connection to several main roads in the area. As proposed, site access for all travel modes, including bicyclists, would be provided by Collier Canyon Road and the project driveways, which would adequately accommodate both vehicle and bicycle travel.

Conclusion

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2020 INSP SEIR. Thus, the proposed project is consistent with the conclusions of the 2020 INSP SEIR.

b. The 2020 INSP SEIR calculated that VMT would increase significantly with buildout of the INSP, but with the addition of the new service population, the per service population VMT would be reduced compared to existing conditions and to the 2040 No Project Condition. As discussed above, because VMT analysis is not required for a 15182 Checklist to an EIR that was issued in draft form prior to July 1, 2020, additional traffic analysis is not required for this Initial Study/15182 Checklist. Although an analysis of VMT is not required, it should be noted that pursuant to the Governor's Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA,[33] projects located less than 0.5-mile from an existing major transit stop, and projects consisting of a high

[31] Livermore Amador Valley Transit Authority. *30R Dublin-Livermore via Las Positas College*. August 10, 2024.
[32] City of Livermore. *Bicycle, Pedestrian, & Trails Active Transportation Plan*. June 11, 2018.
[33] Governor's Office and Planning and Research. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018.

percentage of affordable housing, will have a less-than-significant impact related to VMT. As discussed above, the project site is located within a transit priority area and would also include a total of 114 affordable units. Therefore, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts beyond what were analyzed in the 2020 INSP SEIR.

c,d. The 2020 INSP SEIR analyzed the potential of the INSP to result in increased hazards due to design features or incompatible uses or result in inadequate emergency access. The 2020 INSP SEIR determined that new roadways, traffic signals, and intersections would be designed in accordance with City design standards that account for emergency access and would not result in increased hazards. As such, the 2020 INSP SEIR concluded that impacts would be less than significant.

As discussed above, the proposed project is consistent with the scope of development anticipated by the INSP for the project site. According to the Transportation Assessment prepared for the proposed project by Fehr & Peers (see Appendix F),[34] vehicular access to the project site would be provided by way of two new roadway connections to Collier Canyon Road. Both access points would have stop sign control on the driveway approaches, with the Collier Canyon Road approach uncontrolled. Both approaches to the northern project driveway access and the southbound approach to the south driveway would meet the Caltrans Highway Design Manual stopping and corner sight distance requirements for a 40-miles per hour (mph) design speed. The southern driveway would meet the 15-mph design speed stopping sight distance (100 feet) and corner sight distance (165 feet) looking to the south to observe vehicles traveling northbound on Collier Canyon Road. Thus, adequate sight distance would be provided at both proposed driveways.

In addition, the portion of Collier Canyon Road along the project site frontage currently serves low traffic volume generated by demand from local residences and businesses. The proposed throat depths of the driveways would provide adequate internal queuing capacity for vehicles exiting the project site. Project driveways and internal roadways, except for townhouse driveways, are generally 26 feet in width. Townhouse driveways are generally 20 feet in width, which should provide sufficient emergency vehicle access throughout the project site.

Based on the above, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2020 INSP SEIR. Thus, the proposed project is consistent with the conclusions of the 2020 INSP SEIR.

Prior Mitigation Measures

None Required.

[34] Fehr & Peers. *Cornerstone Church and Chu Property Residential Development – Transportation Assessment Memorandum*. January 11, 2023.

XVIII. TRIBAL CULTURAL RESOURCES. *Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American Tribe, and that is:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k).	2018 EIR pg. 3.13-19	No	No	No
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	2018 EIR pg. 3.13-19	No	No	No

Discussion

a,b. The NAHC and seven Native American tribes were contacted, pursuant to AB 52 and SB 18, as part of preparation of the 2018 INSP EIR. A response was not received from the tribes regarding preparation of the 2018 INSP EIR. A records search of the NAHC Sacred Lands File did not indicate the presence of Native American cultural resources within the INSP area. Therefore, the 2018 INSP EIR concluded that no impact to tribal cultural resources would occur within the INSP area.

As discussed in Section V, Cultural Resources, of this Initial Study/15182 Checklist, the 2018 INSP EIR assessed the potential for buildout of the INSP to cause a substantial adverse change in the significance of a unique archaeological resource pursuant to Section 15064.5 of the CEQA Guidelines, or disturb any human remains, including those interred outside of dedicated cemeteries. The 2018 INSP EIR concluded that construction activities could potentially disturb or destroy significant buried archaeological resources and/or human remains. Nonetheless, the 2018 INSP EIR determined that with implementation of INSP Policies P-ENV-34 and P-ENV-37, all potential impacts would be less than significant.

The proposed project's area of impact would be within the footprint of the previously analyzed INSP. In addition, the proposed project would be consistent with what has been anticipated for the site in the INSP. As such, impacts related to tribal cultural resources

associated with development of the project site with such uses were previously anticipated within the 2018 INSP EIR.

As discussed above, in compliance with INSP Policy P-ENV-34 and to ensure that any additional resources have not been discovered since the adoption of the 2018 INSP EIR, a records search of the CHRIS was performed by the NWIC for cultural resource site records and survey reports within the project area.[35] The NWIC concluded that the project site does not contain any recorded archaeological resources nor any historic buildings or structures on any lists of historic resources. In addition, a search of the NAHC Sacred Lands File search did not yield any information regarding the presence of Tribal Cultural Resources within the project site or the immediate area.[36]

The proposed project would also be subject to INSP Policy P-ENV-37, related to the inadvertent discovery of human remains. Specifically, if human remains of Native American origin are discovered during project construction, the developer and/or the City of Livermore Planning Department shall comply with State laws relating to the disposition of Native American burials, which fall within the jurisdiction of the NAHC.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR. As a result, the proposed project would remain consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

[35] Tom Origer & Associates. *Cultural Resources Study for the Cornerstone Townhomes Project Livermore, Alameda County, California*. August 13, 2024.

[36] Native American Heritage Commission. *Cornerstone Townhomes Project, Alameda County.* July 30, 2024.

XIX. UTILITIES AND SERVICE SYSTEMS. *Would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	2018 EIR pgs. 3.10-11 to 3.10-12	No	No	No
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	2018 EIR pgs. 3.10-12 to 3.10-13	No	No	No
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	2018 EIR pgs. 3.10-13 to 3.10-15	No	No	No
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	2018 EIR pgs. 3.10-13 to 3.10-15	No	No	No
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	2018 EIR pg. 3.10-15	No	No	No

Discussion

a. According to the 2018 INSP EIR, water infrastructure requirements needed to meet the demand of new development under the INSP. While the Livermore Water Reclamation Plant (WRP) pump system would need to be upgraded, regardless of implementation of the INSP, the pump station improvements would be subject to State and local regulations regarding environmental review and the minimization of impacts from construction related activities such as grading, as well as policies in the General Plan that require that new utilities be designed and constructed in such a manner as to minimize potential environmental impacts. Additionally, deficiencies in the INSP area stormwater system that development of the INSP would exacerbate do not exist. Therefore, the INSP would have a less-than-significant impact related to the expansion of water, wastewater, or stormwater drainage facilities.

The proposed project would be constructed within the footprint of the previously analyzed INSP, which assumed the development of residential and open space uses. With regard to project-specific utility needs, as part of the proposed project, a new eight-inch sewer line would connect to the City's existing 15-inch sewer line in Collier Canyon Road. In addition, the proposed project would include a new eight-inch water line connection to the City's existing 14-inch water line in Collier Canyon Road. The project would also include an on-site stormwater collection and treatment system connecting to the City's existing 72-inch storm drain located within the project site. Electricity and telecommunications utilities would be provided by way of connections to existing infrastructure located within the immediate project vicinity. The analysis of the 2018 INSP EIR included an assessment

of the INSP's utilities needs at buildout. Therefore, the utility needs associated with the proposed project were previously considered within the 2018 INSP EIR, and the conclusions of the 2018 INSP EIR would not be altered such that the proposed project would require or result in the relocation or construction of new or expanded utilities, the construction or relocation of which could cause significant environmental effects.

Based on the above, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

b. As discussed throughout this Initial Study/15182 Checklist, the proposed project would be constructed within the footprint of the previously analyzed INSP, which assumed the development of residential and open space uses on the project site. As such, water demand associated with the proposed project was previously considered within the 2018 INSP EIR, which concluded that impacts would be less than significant, and the conclusions of the 2018 INSP EIR would not be altered such that water demand would increase. In addition, the proposed project is consistent with the project site's current General Plan land use and zoning designations. The project would not result in increased use of water supplies beyond what has been anticipated by the City and accounted for in the City's UWMP. According to the 2020 UWMP, water supplies are projected to meet expected demand during five-year droughts beginning in 2025, 2030, 2035, 2040, and 2045. Furthermore, all landscaping improvements would be consistent with Section 13.25 of the Municipal Code, Water Efficient Landscape, and would be irrigated by an automatic irrigation system.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

c. The 2018 INSP EIR analyzed the INSP's potential impacts on wastewater capacity to determine if adequate capacity exists to serve the project's projected demand in addition to the provider's existing commitments. According to the 2018 INSP EIR, the WRP has the capacity to treat 8.5 million gallons per day (MGD) and is currently treating only six MGD, resulting in a difference of 2.5 MGD between capacity and current treatment level. According to the Isabel Neighborhood Plan Sewer System Evaluation, additional development resulting from implementation of the INSP would require treatment of an additional 0.42 MGD of Average Dry Weather Flow. Therefore, the 2018 INSP EIR concluded that implementation of the INSP would not cause the WRP to exceed treatment requirements and a less-than-significant impact would occur.

As discussed throughout this Initial Study/15182 Checklist, the proposed project would be constructed within the footprint of the previously analyzed INSP, which assumed the development of residential and open space uses. As such, wastewater generation associated with the proposed project was previously considered within the 2018 INSP EIR, and the conclusions of the 2018 INSP EIR would not be altered such that wastewater generation would increase. In addition, the project would be subject to payment of the City's sanitary sewer impact fee, which would ensure that funds are available to provide for future expansion of the City's WWTP, as necessary.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

d,e. Solid waste, recyclable materials, and compostable material collection within the City of Livermore is provided through a franchise agreement with Livermore Sanitation, Inc. Solid waste from the City is ultimately disposed of at the Republic Services Vasco Road Landfill, located at 4001 North Vasco Road. As of 2017, the landfill had approximately 6,800,000 CY of remaining capacity, or 20.6 percent of the total permitted capacity of the landfill (32,970,000 CY).[37]

The 2018 INSP EIR concluded that, given the City's ability to meet disposal targets, as well as the remaining capacity in area landfills, the collection, transfer, recycling, and disposal needs of the projected population increase under the INSP would not result in adverse impacts on landfill facilities, and impacts would be less-than-significant. The proposed project would be constructed within the footprint of the previously analyzed INSP, which assumed the development of residential and open space uses on the project site. In addition, the proposed project is consistent with the project site's current General Plan land use and zoning designations. Therefore, construction and operation of the proposed project would not result in increased solid waste generation beyond what has been previously anticipated for the site by the City. In addition, the project would be required to comply with all applicable provisions of Chapter 8.08, Solid Waste Management, of the City's Municipal Code. Therefore, the proposed project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals and would comply with federal, State, and local management and reduction statutes and regulations related to solid waste. As a result, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

[37] Department of Resources Recycling and Recovery. *Vasco Road Landfill, Application for Solid Waste Facility Permit and Waste Discharge Requirements.* October 31, 2018.

XX. WILDFIRE. *If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:*	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	N/A	No	No	No
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	N/A	No	No	No
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	N/A	No	No	No
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	N/A	No	No	No

Discussion

a-d. Wildfire is an environmental issue area that was included in CEQA Guidelines Appendix G subsequent to the approval of the 2018 INSP EIR. As such, the 2018 INSP EIR did not include an analysis specifically dedicated to wildfire; however, the INSP EIR analyzed the INSP's potential impacts related to wildfires within Chapter 3.8, Hazards and Hazardous Materials. As noted therein while the City of Livermore has identified high wildfire severity zones in the INSP Planning Area, according to CAL FIRE maps of fire threat potential, none of the Planning Area constitutes a very high fire hazard. Additionally, development would be consistent with Livermore's Fire Code and Chapter 9, Fire Protection Systems, of the California Building Code, which requires improvements such as fire sprinkler systems and fire alarms. Implementation of existing State and local programs and regulations, as well as INSP policies that address emergency access and fire-fighting facilities and services, development would result in a less-than-significant impact related to wildfire.

The proposed project's area of impact would be within the footprint of the previously analyzed INSP. According to the CAL FIRE Fire and Resource Assessment Program, while the project site is not located within a Very High FHSZ or State Responsibility Area, a High FHSZ is located to the east in close proximity to the project site.[38] However, the proposed project would include the removal of existing on-site vegetation, which would reduce wildfire risks. Furthermore, residential development would be required to include fire sprinklers, and other fire suppression features, consistent with the CBSC and CFC. In

[38] California Department of Forestry and Fire Protection. *Alameda County, Very High Fire Hazard Severity Zones in LRA*. September 3, 2006.

addition, the proposed project is consistent with the site's current INSP land use and zoning designations.

Based on the above information, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were analyzed in the 2018 INSP EIR. Thus, the proposed project is consistent with the conclusions of the 2018 INSP EIR.

Prior Mitigation Measures

None Required.

XXI. MANDATORY FINDINGS OF SIGNIFICANCE.	Where Impact Was Analyzed in Previous CEQA Document(s)	Do Proposed Changes Involve New or More Severe Impacts?	Any New Circumstances Involving New or More Severe Impacts?	Any New Information Requiring New Analysis or Verification?
a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	N/A	No	No	No
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	N/A	No	No	No
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	N/A	No	No	No

Discussion

a. As discussed in Section IV, Biological Resources, of this Initial Study/15182 Checklist, the proposed project would be subject to INSP Mitigation Measures BIO-1, 2, 3, 7, and 9, which require avoidance of special-status species during construction. Additionally, while the project site could contain unidentified cultural or tribal cultural resources beneath the ground surface, compliance with INSP Policies P-ENV-34 and P-ENV-37 would ensure that adverse effects to inadvertently discovered resources would be minimized during construction activities, consistent with the requirements of CEQA.

Considering the above, the proposed project would not: 1) degrade the quality of the environment; 2) substantially reduce or impact the habitat of fish or wildlife species; 3) cause fish or wildlife populations to drop below self-sustaining levels; 4) threaten to eliminate a plant or animal community; 5) reduce the number or restrict the range of a rare or endangered plant or animal; or 6) eliminate important examples of the major periods of California history or prehistory. Impacts associated with such resources have been adequately addressed and would not change from what was identified in the 2018 INSP EIR and 2020 INSP SEIR , and the criteria for requiring further CEQA review are not met.

b. The proposed project was included in the future development assumptions evaluated in the 2018 INSP EIR and 2020 INSP SEIR. The currently proposed project would be constructed within the footprint of the previously analyzed project site, which assumed the development of residential and open space uses. The project would include waivers and

concessions to deviate from Performance Measures and development standards. With the exception of the requested waivers and concessions allowed under State Density Bonus Law, the proposed project would otherwise meet the design requirements ser forth for the project site. The development waivers and concessions would not be substantial such that the conclusions of the 2018 INSP EIR and 2020 INSP SEIR would change, as demonstrated throughout this Initial Study/15182 Checklist. Therefore, the currently proposed project would not result in new significant impacts or substantially more severe significant impacts than were previously analyzed in the 2018 INSP EIR and 2020 INSP SEIR, and further analysis is not required in this Initial Study/15182 Checklist.

c. As described in this Initial Study/15182 Checklist, the proposed project would not cause substantial effects to human beings, including effects related to exposure to air pollutants, geologic hazards, hazardous materials, and excessive noise, beyond those effects previously analyzed as part of the 2018 INSP EIR and 2020 INSP SEIR. Therefore, further analysis is not required.

APPENDIX A

AIR QUALITY AND GHG MODELING RESULTS

EXHIBIT B

Cornerstone Townhomes Custom Report

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5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

8. User Changes to Default Data

EXHIBIT B

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Cornerstone Townhomes
Construction Start Date	7/1/2025
Operational Year	2029
Lead Agency	City of Livermore
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	33.2
Location	37.70311141186944, -121.80713351969986
County	Alameda
City	Livermore
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1677
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.28

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	143	Dwelling Unit	4.42	351,373	176,418	—	403	—

391

Apartments Mid Rise	110	Dwelling Unit	1.66	106,600	0.00	—	310	—
City Park	4.95	Acre	4.95	0.00	0.00	0.00	—	—
Enclosed Parking Structure	87.0	Space	0.00	32,746	0.00	—	—	Private street and public street dedication
Parking Lot	37.0	Space	0.33	0.00	0.00	—	—	—
Other Asphalt Surfaces	2.23	Acre	13.4	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-10-A	Establish Onsite Renewable Energy Systems: Generic

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.	11.5	11.1	51.4	37.8	0.18	1.57	19.8	21.2	1.47	10.1	11.4	—	24,718	24,718	1.22	2.95	40.5	25,669
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.4	11.1	12.4	22.0	0.03	0.41	2.17	2.59	0.38	0.52	0.90	—	5,233	5,233	0.18	0.23	0.25	5,306
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.10	7.86	8.39	15.2	0.02	0.26	1.52	1.78	0.24	0.36	0.60	—	3,710	3,710	0.13	0.16	2.69	3,763

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.48	1.43	1.53	2.78	< 0.005	0.05	0.28	0.33	0.04	0.07	0.11	—	614	614	0.02	0.03	0.45	623

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.51	5.36	51.4	37.8	0.18	1.57	19.8	21.2	1.47	10.1	11.4	—	24,718	24,718	1.22	2.95	40.5	25,669
2026	11.5	11.1	12.2	23.1	0.03	0.41	2.17	2.59	0.38	0.52	0.90	—	5,377	5,377	0.17	0.22	9.57	5,457
2027	11.4	11.0	11.6	22.4	0.03	0.37	2.17	2.54	0.34	0.52	0.86	—	5,323	5,323	0.17	0.22	8.72	5,402
2028	11.3	11.0	11.1	22.0	0.03	0.33	2.17	2.50	0.30	0.52	0.82	—	5,269	5,269	0.17	0.16	7.90	5,327
2029	11.2	10.9	10.6	21.5	0.03	0.30	2.17	2.47	0.27	0.52	0.79	—	5,213	5,213	0.16	0.16	7.12	5,271
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
2026	11.4	11.1	12.4	22.0	0.03	0.41	2.17	2.59	0.38	0.52	0.90	—	5,233	5,233	0.18	0.23	0.25	5,306
2027	11.4	11.0	11.8	21.5	0.03	0.37	2.17	2.54	0.34	0.52	0.86	—	5,182	5,182	0.18	0.23	0.23	5,255
2028	11.3	10.9	11.2	21.1	0.03	0.33	2.17	2.50	0.30	0.52	0.82	—	5,130	5,130	0.18	0.22	0.20	5,201
2029	11.1	10.9	10.8	20.7	0.03	0.30	2.17	2.47	0.27	0.52	0.79	—	5,078	5,078	0.17	0.22	0.18	5,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.39	0.31	2.74	2.20	0.01	0.09	0.86	0.95	0.08	0.34	0.43	—	1,126	1,126	0.05	0.12	0.73	1,164
2026	3.01	2.91	3.50	6.16	0.01	0.12	0.60	0.72	0.11	0.14	0.25	—	1,486	1,486	0.05	0.06	1.17	1,508
2027	8.10	7.86	8.39	15.2	0.02	0.26	1.52	1.78	0.24	0.36	0.60	—	3,710	3,710	0.13	0.16	2.69	3,763
2028	8.07	7.84	8.03	15.0	0.02	0.23	1.52	1.76	0.22	0.36	0.58	—	3,683	3,683	0.12	0.15	2.44	3,735
2029	3.11	3.04	2.78	5.31	0.01	0.08	0.55	0.63	0.07	0.13	0.20	—	1,316	1,316	0.04	0.06	0.80	1,335

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.07	0.06	0.50	0.40	< 0.005	0.02	0.16	0.17	0.02	0.06	0.08	—	186	186	0.01	0.02	0.12	193
2026	0.55	0.53	0.64	1.12	< 0.005	0.02	0.11	0.13	0.02	0.03	0.05	—	246	246	0.01	0.01	0.19	250
2027	1.48	1.43	1.53	2.78	< 0.005	0.05	0.28	0.33	0.04	0.07	0.11	—	614	614	0.02	0.03	0.45	623
2028	1.47	1.43	1.47	2.73	< 0.005	0.04	0.28	0.32	0.04	0.07	0.11	—	610	610	0.02	0.03	0.40	618
2029	0.57	0.56	0.51	0.97	< 0.005	0.01	0.10	0.12	0.01	0.02	0.04	—	218	218	0.01	0.01	0.13	221

2.3. Construction Emissions by Year, Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.51	5.36	51.4	37.8	0.18	1.57	19.8	21.2	1.47	10.1	11.4	—	24,718	24,718	1.22	2.95	40.5	25,669
2026	11.5	11.1	12.2	23.1	0.03	0.41	2.17	2.59	0.38	0.52	0.90	—	5,377	5,377	0.17	0.22	9.57	5,457
2027	11.4	11.0	11.6	22.4	0.03	0.37	2.17	2.54	0.34	0.52	0.86	—	5,323	5,323	0.17	0.22	8.72	5,402
2028	11.3	11.0	11.1	22.0	0.03	0.33	2.17	2.50	0.30	0.52	0.82	—	5,269	5,269	0.17	0.16	7.90	5,327
2029	11.2	10.9	10.6	21.5	0.03	0.30	2.17	2.47	0.27	0.52	0.79	—	5,213	5,213	0.16	0.16	7.12	5,271
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
2026	11.4	11.1	12.4	22.0	0.03	0.41	2.17	2.59	0.38	0.52	0.90	—	5,233	5,233	0.18	0.23	0.25	5,306
2027	11.4	11.0	11.8	21.5	0.03	0.37	2.17	2.54	0.34	0.52	0.86	—	5,182	5,182	0.18	0.23	0.23	5,255
2028	11.3	10.9	11.2	21.1	0.03	0.33	2.17	2.50	0.30	0.52	0.82	—	5,130	5,130	0.18	0.22	0.20	5,201
2029	11.1	10.9	10.8	20.7	0.03	0.30	2.17	2.47	0.27	0.52	0.79	—	5,078	5,078	0.17	0.22	0.18	5,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.39	0.31	2.74	2.20	0.01	0.09	0.86	0.95	0.08	0.34	0.43	—	1,126	1,126	0.05	0.12	0.73	1,164
2026	3.01	2.91	3.50	6.16	0.01	0.12	0.60	0.72	0.11	0.14	0.25	—	1,486	1,486	0.05	0.06	1.17	1,5[illegible]

2027	8.10	7.86	8.39	15.2	0.02	0.26	1.52	1.78	0.24	0.36	0.60	—	3,710	3,710	0.13	0.16	2.69	3,763
2028	8.07	7.84	8.03	15.0	0.02	0.23	1.52	1.76	0.22	0.36	0.58	—	3,683	3,683	0.12	0.15	2.44	3,735
2029	3.11	3.04	2.78	5.31	0.01	0.08	0.55	0.63	0.07	0.13	0.20	—	1,316	1,316	0.04	0.06	0.80	1,335
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.07	0.06	0.50	0.40	< 0.005	0.02	0.16	0.17	0.02	0.06	0.08	—	186	186	0.01	0.02	0.12	193
2026	0.55	0.53	0.64	1.12	< 0.005	0.02	0.11	0.13	0.02	0.03	0.05	—	246	246	0.01	0.01	0.19	250
2027	1.48	1.43	1.53	2.78	< 0.005	0.05	0.28	0.33	0.04	0.07	0.11	—	614	614	0.02	0.03	0.45	623
2028	1.47	1.43	1.47	2.73	< 0.005	0.04	0.28	0.32	0.04	0.07	0.11	—	610	610	0.02	0.03	0.40	618
2029	0.57	0.56	0.51	0.97	< 0.005	0.01	0.10	0.12	0.01	0.02	0.04	—	218	218	0.01	0.01	0.13	221

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.	18.3	17.8	4.98	52.8	0.11	0.17	9.55	9.72	0.17	2.42	2.59	118	12,530	12,648	12.5	0.49	29.6	13,136
Mit.	18.3	17.8	4.98	52.8	0.11	0.17	9.55	9.72	0.17	2.42	2.59	118	12,530	12,648	12.5	0.49	29.6	13,136
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.6	16.1	5.41	35.3	0.10	0.16	9.55	9.71	0.16	2.42	2.58	118	11,916	12,034	12.5	0.53	3.96	12,509
Mit.	16.6	16.1	5.41	35.3	0.10	0.16	9.55	9.71	0.16	2.42	2.58	118	11,915	12,034	12.5	0.53	3.96	12,508
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.3	16.8	5.26	41.8	0.10	0.17	9.34	9.51	0.16	2.37	2.53	118	11,986	12,105	12.5	0.51	14.6	12,585

Mit.	17.3	16.8	5.26	41.8	0.10	0.17	9.34	9.51	0.16	2.37	2.53	118	11,986	12,104	12.5	0.51	14.6	12,585
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.16	3.07	0.96	7.62	0.02	0.03	1.71	1.74	0.03	0.43	0.46	19.6	1,984	2,004	2.07	0.08	2.42	2,084
Mit.	3.16	3.07	0.96	7.62	0.02	0.03	1.71	1.74	0.03	0.43	0.46	19.6	1,984	2,004	2.07	0.08	2.42	2,084
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

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	4.93	4.56	3.53	36.4	0.10	0.06	9.55	9.61	0.06	2.42	2.48	—	10,175	10,175	0.38	0.43	26.3	10,339
Area	13.2	13.1	0.15	15.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	44.2	44.2	< 0.005	< 0.005	—	44.4
Energy	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	2,272	2,272	0.25	0.02	—	2,283
Water	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Waste	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Total	18.3	17.8	4.98	52.8	0.11	0.17	9.55	9.72	0.17	2.42	2.59	118	12,530	12,648	12.5	0.49	29.6	13,136
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.78	4.39	4.11	34.7	0.09	0.06	9.55	9.61	0.06	2.42	2.48	—	9,604	9,604	0.43	0.47	0.68	9,756
Area	11.7	11.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	2,272	2,272	0.25	0.02	—	2,283
Water	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Waste	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	35

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Total	16.6	16.1	5.41	35.3	0.10	0.16	9.55	9.71	0.16	2.42	2.58	118	11,916	12,034	12.5	0.53	3.96	12,509
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.71	4.33	3.88	33.4	0.09	0.06	9.34	9.40	0.06	2.37	2.43	—	9,653	9,653	0.41	0.45	11.3	9,810
Area	12.4	12.4	0.07	7.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	21.8	21.8	< 0.005	< 0.005	—	21.9
Energy	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	2,272	2,272	0.25	0.02	—	2,283
Water	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Waste	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Total	17.3	16.8	5.26	41.8	0.10	0.17	9.34	9.51	0.16	2.37	2.53	118	11,986	12,105	12.5	0.51	14.6	12,585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.86	0.79	0.71	6.10	0.02	0.01	1.71	1.72	0.01	0.43	0.44	—	1,598	1,598	0.07	0.08	1.88	1,624
Area	2.27	2.26	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.61	3.61	< 0.005	< 0.005	—	3.62
Energy	0.03	0.01	0.24	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	—	376	376	0.04	< 0.005	—	378
Water	—	—	—	—	—	—	—	—	—	—	—	2.85	6.50	9.35	0.29	0.01	—	18.8
Waste	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.5
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.54	0.54
Total	3.16	3.07	0.96	7.62	0.02	0.03	1.71	1.74	0.03	0.43	0.46	19.6	1,984	2,004	2.07	0.08	2.42	2,084

2.6. Operations Emissions by Sector, Mitigated

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	4.93	4.56	3.53	36.4	0.10	0.06	9.55	9.61	0.06	2.42	2.48	—	10,175	10,175	0.38	0.43	26.3	10,339
Area	13.2	13.1	0.15	15.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	44.2	44.2	< 0.005	< 0.005	—	44.4
Energy	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	2,272	2,272	0.25	0.02	—	2,283

EXHIBIT B

Water	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Waste	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Total	18.3	17.8	4.98	52.8	0.11	0.17	9.55	9.72	0.17	2.42	2.59	118	12,530	12,648	12.5	0.49	29.6	13,136
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.78	4.39	4.11	34.7	0.09	0.06	9.55	9.61	0.06	2.42	2.48	—	9,604	9,604	0.43	0.47	0.68	9,756
Area	11.7	11.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	2,272	2,272	0.25	0.02	—	2,283
Water	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Waste	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Total	16.6	16.1	5.41	35.3	0.10	0.16	9.55	9.71	0.16	2.42	2.58	118	11,915	12,034	12.5	0.53	3.96	12,508
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.71	4.33	3.88	33.4	0.09	0.06	9.34	9.40	0.06	2.37	2.43	—	9,653	9,653	0.41	0.45	11.3	9,810
Area	12.4	12.4	0.07	7.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	21.8	21.8	< 0.005	< 0.005	—	21.9
Energy	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	2,272	2,272	0.25	0.02	—	2,283
Water	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Waste	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Total	17.3	16.8	5.26	41.8	0.10	0.17	9.34	9.51	0.16	2.37	2.53	118	11,986	12,104	12.5	0.51	14.6	12,585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.86	0.79	0.71	6.10	0.02	0.01	1.71	1.72	0.01	0.43	0.44	—	1,598	1,598	0.07	0.08	1.88	1,624
Area	2.27	2.26	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.61	3.61	< 0.005	< 0.005	—	3.62
Energy	0.03	0.01	0.24	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	—	376	376	0.04	< 0.005	—	378
Water	—	—	—	—	—	—	—	—	—	—	—	2.85	6.50	9.35	0.29	0.01	—	18.8
Waste	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.5

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.54	0.54
Total	3.16	3.07	0.96	7.62	0.02	0.03	1.71	1.74	0.03	0.43	0.46	19.6	1,984	2,004	2.07	0.08	2.42	2,084

3. Construction Emissions Details

3.1. Site Preparation (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	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.43	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	72.5	72.5	< 0.005	< 0.005	—	72.8
Dust From Material Movement	—	—	—	—	—	—	0.27	0.27	—	0.14	0.14	—	—	—	—	—	—	—

EXHIBIT B

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	0.01	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.0	12.0	< 0.005	< 0.005	—	12.1
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	< 0.005	0.01	0.60	154
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	1.97
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.33
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

EXHIBIT B

3.2. Site Preparation (2025) - Mitigated

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	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.43	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	72.5	72.5	< 0.005	< 0.005	—	72.8
Dust From Material Movement	—	—	—	—	—	—	0.27	0.27	—	0.14	0.14	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

401

Off-Road Equipment	0.01	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.0	12.0	< 0.005	< 0.005	—	12.1
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	< 0.005	0.01	0.60	154
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	1.97
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.33
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

3.3. Grading (2025) - Unmitigated

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

EXHIBIT B

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	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	9.34	9.34	—	3.67	3.67	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.16	< 0.005	0.05	—	0.05	0.05	—	0.05	—	271	271	0.01	< 0.005	—	272
Dust From Material Movement	—	—	—	—	—	—	0.38	0.38	—	0.15	0.15	—	—	—	—	—	—	—
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	0.02	0.22	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.9	44.9	< 0.005	< 0.005	—	45.1

EXHIBIT B

Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.03	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.77	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.69	176
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	1.37	0.41	21.7	8.69	0.12	0.34	4.74	5.08	0.34	1.30	1.64	—	17,946	17,946	0.95	2.89	39.8	18,872
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.65	6.65	< 0.005	< 0.005	0.01	6.75
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	0.02	0.92	0.36	< 0.005	0.01	0.19	0.21	0.01	0.05	0.07	—	738	738	0.04	0.12	0.71	775
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.12
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	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	122	122	0.01	0.02	0.12	128

3.4. Grading (2025) - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

EXHIBIT B

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	9.34	9.34	—	3.67	3.67	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.16	< 0.005	0.05	—	0.05	0.05	—	0.05	—	271	271	0.01	< 0.005	—	272
Dust From Material Movement	—	—	—	—	—	—	0.38	0.38	—	0.15	0.15	—	—	—	—	—	—	—
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	0.02	0.22	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.9	44.9	< 0.005	< 0.005	—	45.1
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—

EXHIBIT B

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	0.07	0.07	0.04	0.77	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.69	176
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	1.37	0.41	21.7	8.69	0.12	0.34	4.74	5.08	0.34	1.30	1.64	—	17,946	17,946	0.95	2.89	39.8	18,872
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.65	6.65	< 0.005	< 0.005	0.01	6.75
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	0.02	0.92	0.36	< 0.005	0.01	0.19	0.21	0.01	0.05	0.07	—	738	738	0.04	0.12	0.71	775
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.12
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	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	122	122	0.01	0.02	0.12	128

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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.37	0.31	2.82	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	685	685	0.03	0.01	—	687
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	0.07	0.06	0.51	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	114
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	0.65	0.59	0.42	7.09	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,664	1,664	0.03	0.06	6.12	1,690
Vendor	0.06	0.03	1.01	0.45	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	849	849	0.03	0.13	2.22	889

EXHIBIT B

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	0.63	0.56	0.55	6.23	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,544	1,544	0.04	0.07	0.16	1,565
Vendor	0.06	0.03	1.07	0.46	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	849	849	0.03	0.13	0.06	888
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	0.18	0.16	0.14	1.72	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	444	444	0.01	0.02	0.76	451
Vendor	0.02	0.01	0.30	0.13	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	243	243	0.01	0.04	0.27	254
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	0.03	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	73.5	73.5	< 0.005	< 0.005	0.13	74.6
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.2	40.2	< 0.005	0.01	0.05	42.0
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

3.6. Building Construction (2026) - Mitigated

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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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

EXHIBIT B

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.37	0.31	2.82	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	685	685	0.03	0.01	—	687
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	0.07	0.06	0.51	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	114
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	0.65	0.59	0.42	7.09	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,664	1,664	0.03	0.06	6.12	1,690
Vendor	0.06	0.03	1.01	0.45	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	849	849	0.03	0.13	2.22	889
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	0.63	0.56	0.55	6.23	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,544	1,544	0.04	0.07	0.16	1,565

Vendor	0.06	0.03	1.07	0.46	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	849	849	0.03	0.13	0.06	888
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	0.18	0.16	0.14	1.72	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	444	444	0.01	0.02	0.76	451
Vendor	0.02	0.01	0.30	0.13	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	243	243	0.01	0.04	0.27	254
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	0.03	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	73.5	73.5	< 0.005	< 0.005	0.13	74.6
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.2	40.2	< 0.005	0.01	0.05	42.0
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 (2027) - 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	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405

EXHIBIT B

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	0.88	0.74	6.71	9.24	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718
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	0.16	0.13	1.22	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284
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	0.62	0.56	0.36	6.62	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,634	1,634	0.03	0.06	5.54	1,659
Vendor	0.06	0.03	0.97	0.43	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	832	832	0.03	0.13	2.08	872
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	0.61	0.54	0.49	5.86	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,516	1,516	0.04	0.07	0.14	1,537
Vendor	0.06	0.03	1.03	0.44	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	833	833	0.03	0.13	0.05	871
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	0.43	0.38	0.31	4.06	0.00	0.00	1.13	1.13	0.00	0.26	0.26	—	1,090	1,090	0.02	0.05	1.71	1,106
Vendor	0.04	0.02	0.72	0.31	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	594	594	0.02	0.09	0.64	622

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	0.08	0.07	0.06	0.74	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	180	180	< 0.005	0.01	0.28	183
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.4	98.4	< 0.005	0.01	0.11	103
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

3.8. Building Construction (2027) - Mitigated

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	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.88	0.74	6.71	9.24	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718

EXHIBIT B

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	0.16	0.13	1.22	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284
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	0.62	0.56	0.36	6.62	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,634	1,634	0.03	0.06	5.54	1,659
Vendor	0.06	0.03	0.97	0.43	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	832	832	0.03	0.13	2.08	872
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	0.61	0.54	0.49	5.86	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,516	1,516	0.04	0.07	0.14	1,537
Vendor	0.06	0.03	1.03	0.44	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	833	833	0.03	0.13	0.05	871
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	0.43	0.38	0.31	4.06	0.00	0.00	1.13	1.13	0.00	0.26	0.26	—	1,090	1,090	0.02	0.05	1.71	1,106
Vendor	0.04	0.02	0.72	0.31	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	594	594	0.02	0.09	0.64	622
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	0.08	0.07	0.06	0.74	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	180	180	< 0.005	0.01	0.28	183
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.4	98.4	< 0.005	0.01	0.11	103
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. Building Construction (2028) - 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	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
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	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
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	0.85	0.71	6.39	9.26	0.02	0.22	—	0.22	0.20	—	0.20	—	1,717	1,717	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	0.15	0.13	1.17	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	284	284	0.01	< 0.005	—	285

EXHIBIT B

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	0.61	0.55	0.36	6.24	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,605	1,605	0.03	0.01	4.97	1,614
Vendor	0.06	0.03	0.94	0.42	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	812	812	0.03	0.12	1.93	850
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	0.59	0.53	0.43	5.50	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,489	1,489	0.03	0.07	0.13	1,510
Vendor	0.06	0.03	0.99	0.43	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	813	813	0.03	0.12	0.05	849
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	0.42	0.37	0.30	3.82	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,074	1,074	0.02	0.05	1.54	1,089
Vendor	0.04	0.02	0.69	0.30	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	582	582	0.02	0.09	0.60	609
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	0.08	0.07	0.06	0.70	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	178	178	< 0.005	0.01	0.25	180
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.3	96.3	< 0.005	0.01	0.10	101
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

3.10. Building Construction (2028) - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

415

EXHIBIT B

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
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	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
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	0.85	0.71	6.39	9.26	0.02	0.22	—	0.22	0.20	—	0.20	—	1,717	1,717	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	0.15	0.13	1.17	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	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	0.61	0.55	0.36	6.24	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,605	1,605	0.03	0.01	4.97	1,614
Vendor	0.06	0.03	0.94	0.42	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	812	812	0.03	0.12	1.93	850
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	0.59	0.53	0.43	5.50	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,489	1,489	0.03	0.07	0.13	1,510
Vendor	0.06	0.03	0.99	0.43	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	813	813	0.03	0.12	0.05	849
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	0.42	0.37	0.30	3.82	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,074	1,074	0.02	0.05	1.54	1,089
Vendor	0.04	0.02	0.69	0.30	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	582	582	0.02	0.09	0.60	609
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	0.08	0.07	0.06	0.70	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	178	178	< 0.005	0.01	0.25	180
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.3	96.3	< 0.005	0.01	0.10	101
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. Building Construction (2029) - 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	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405

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	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
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	0.30	0.25	2.20	3.31	0.01	0.07	—	0.07	0.07	—	0.07	—	614	614	0.02	< 0.005	—	617
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	0.05	0.05	0.40	0.60	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	< 0.005	< 0.005	—	102
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	0.58	0.52	0.30	5.93	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,577	1,577	0.03	0.01	4.44	1,586
Vendor	0.06	0.02	0.90	0.40	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	790	790	0.03	0.12	1.79	828
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	0.52	0.51	0.43	5.20	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,463	1,463	0.03	0.06	0.11	1,483
Vendor	0.05	0.02	0.95	0.41	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	791	791	0.03	0.12	0.05	827
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	0.13	0.13	0.09	1.29	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	378	378	0.01	0.02	0.49	383
Vendor	0.01	0.01	0.24	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	203	203	0.01	0.03	0.20	212
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	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	62.5	62.5	< 0.005	< 0.005	0.08	63.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.6	33.6	< 0.005	0.01	0.03	35.1
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

3.12. Building Construction (2029) - Mitigated

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	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

EXHIBIT B

Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
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	0.30	0.25	2.20	3.31	0.01	0.07	—	0.07	0.07	—	0.07	—	614	614	0.02	< 0.005	—	617
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	0.05	0.05	0.40	0.60	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	< 0.005	< 0.005	—	102
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	0.58	0.52	0.30	5.93	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,577	1,577	0.03	0.01	4.44	1,586
Vendor	0.06	0.02	0.90	0.40	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	790	790	0.03	0.12	1.79	828
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	0.52	0.51	0.43	5.20	0.00	0.00	1.62	1.62	0.00	0.38	0.38	—	1,463	1,463	0.03	0.06	0.11	1,483
Vendor	0.05	0.02	0.95	0.41	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	791	791	0.03	0.12	0.05	827
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	0.13	0.13	0.09	1.29	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	378	378	0.01	0.02	0.49	383
Vendor	0.01	0.01	0.24	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	203	203	0.01	0.03	0.20	212
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	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	62.5	62.5	< 0.005	< 0.005	0.08	63.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.6	33.6	< 0.005	0.01	0.03	35.1
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

3.13. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	4.51	4.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33.1	33.1	< 0.005	< 0.005	—	33.2

EXHIBIT B

Paving	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.48	5.48	< 0.005	< 0.005	—	5.50
Paving	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.52	132
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.66	2.66	< 0.005	< 0.005	< 0.005	2.70
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.45
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

3.14. Paving (2025) - Mitigated

EXHIBIT B

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	0.95	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	4.51	4.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33.1	33.1	< 0.005	< 0.005	—	33.2
Paving	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.48	5.48	< 0.005	< 0.005	—	5.50
Paving	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.52	132
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.66	2.66	< 0.005	< 0.005	< 0.005	2.70
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.45
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

3.15. 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

EXHIBIT B

Architectural Coating	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.03	0.22	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.5	34.5	< 0.005	< 0.005	—	34.6
Architectural Coatings	2.37	2.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.71	5.71	< 0.005	< 0.005	—	5.73

EXHIBIT B

Architectural Coatings	0.43	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.13	0.12	0.08	1.42	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	333	333	0.01	0.01	1.22	338
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	0.13	0.11	0.11	1.25	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	309	309	0.01	0.01	0.03	313
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	0.03	0.03	0.03	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.3	80.3	< 0.005	< 0.005	0.14	81.5
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	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.3	13.3	< 0.005	< 0.005	0.02	13.5
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

3.16. Architectural Coating (2026) - Mitigated

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

EXHIBIT B

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	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.03	0.22	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.5	34.5	< 0.005	< 0.005	—	34.6
Architectural Coatings	2.37	2.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.01	0.01	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.71	5.71	< 0.005	< 0.005	—	5.73
Architectural Coatings	0.43	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.13	0.12	0.08	1.42	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	333	333	0.01	0.01	1.22	338
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	0.13	0.11	0.11	1.25	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	309	309	0.01	0.01	0.03	313
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	0.03	0.03	0.03	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.3	80.3	< 0.005	< 0.005	0.14	81.5
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	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.3	13.3	< 0.005	< 0.005	0.02	13.5

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

3.17. Architectural Coating (2027) - 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	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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-Roa Equipment	0.10	0.08	0.59	0.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	6.56	6.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.20	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.11	0.07	1.32	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	327	327	0.01	0.01	1.11	332
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	0.12	0.11	0.10	1.17	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	303	303	0.01	0.01	0.03	307
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	0.09	0.08	0.06	0.81	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	218	218	< 0.005	0.01	0.34	22

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	0.02	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.1	36.1	< 0.005	< 0.005	0.06	36.6
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

3.18. Architectural Coating (2027) - Mitigated

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	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.08	0.59	0.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	6.56	6.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.20	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.11	0.07	1.32	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	327	327	0.01	0.01	1.11	332
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	0.12	0.11	0.10	1.17	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	303	303	0.01	0.01	0.03	307
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	0.09	0.08	0.06	0.81	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	218	218	< 0.005	0.01	0.34	221
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	0.02	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.1	36.1	< 0.005	< 0.005	0.06	36.6
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

3.19. Architectural Coating (2028) - 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	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.09	0.08	0.58	0.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.6	95.6	< 0.005	< 0.005	—	96.0
Architectural Coatings	6.58	6.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	1.20	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.11	0.07	1.25	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	321	321	0.01	< 0.005	0.99	323
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	0.12	0.11	0.09	1.10	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	298	298	0.01	0.01	0.03	302
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	0.08	0.07	0.06	0.76	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	215	215	< 0.005	0.01	0.31	218
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	0.02	0.01	0.01	0.14	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.5	35.5	< 0.005	< 0.005	0.05	36.1
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

3.20. Architectural Coating (2028) - Mitigated

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	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.09	0.08	0.58	0.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.6	95.6	< 0.005	< 0.005	—	96.0
Architectural Coatings	6.58	6.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9

EXHIBIT B

Architect Coatings	1.20	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.11	0.07	1.25	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	321	321	0.01	< 0.005	0.99	323
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	0.12	0.11	0.09	1.10	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	298	298	0.01	0.01	0.03	302
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	0.08	0.07	0.06	0.76	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	215	215	< 0.005	0.01	0.31	218
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	0.02	0.01	0.01	0.14	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.5	35.5	< 0.005	< 0.005	0.05	36.1
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

3.21. Architectural Coating (2029) - 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	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.03	0.23	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.9	37.9	< 0.005	< 0.005	—	38.0
Architectural Coatings	2.61	2.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.27	6.27	< 0.005	< 0.005	—	6.29
Architectural Coatings	0.48	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.10	0.06	1.19	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	315	315	0.01	< 0.005	0.89	317
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	0.10	0.10	0.09	1.04	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	293	293	0.01	0.01	0.02	297
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	0.03	0.03	0.02	0.29	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	83.6	83.6	< 0.005	< 0.005	0.11	84.8
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	0.01	0.01	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.02	14.0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (2029) - Mitigated

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	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	9.19	9.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.03	0.23	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.9	37.9	< 0.005	< 0.005	—	38.0

EXHIBIT B

Architect Coatings	2.61	2.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.27	6.27	< 0.005	< 0.005	—	6.29
Architectural Coatings	0.48	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.10	0.06	1.19	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	315	315	0.01	< 0.005	0.89	317
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	0.10	0.10	0.09	1.04	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	293	293	0.01	0.01	0.02	297
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	0.03	0.03	0.02	0.29	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	83.6	83.6	< 0.005	< 0.005	0.11	84.8
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	0.01	0.01	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.02	14.0
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	0.00	0.00	0.00	0.00	0.00	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

4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.93	2.71	2.10	21.7	0.06	0.04	5.68	5.71	0.03	1.44	1.47	—	6,052	6,052	0.23	0.26	15.6	6,150
Apartments Mid Rise	2.00	1.85	1.43	14.8	0.04	0.02	3.87	3.89	0.02	0.98	1.00	—	4,122	4,122	0.16	0.17	10.6	4,189
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	4.93	4.56	3.53	36.4	0.10	0.06	9.55	9.61	0.06	2.42	2.48	—	10,175	10,175	0.38	0.43	26.3	10,339

EXHIBIT B

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.84	2.61	2.45	20.7	0.06	0.04	5.68	5.71	0.03	1.44	1.47	—	5,713	5,713	0.26	0.28	0.41	5,803
Apartments Mid Rise	1.94	1.78	1.67	14.1	0.04	0.02	3.87	3.89	0.02	0.98	1.00	—	3,891	3,891	0.18	0.19	0.28	3,953
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	4.78	4.39	4.11	34.7	0.09	0.06	9.55	9.61	0.06	2.42	2.48	—	9,604	9,604	0.43	0.47	0.68	9,756
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.51	0.47	0.42	3.63	0.01	0.01	1.01	1.02	0.01	0.26	0.26	—	951	951	0.04	0.04	1.12	966
Apartments Mid Rise	0.35	0.32	0.29	2.47	0.01	< 0.005	0.69	0.70	< 0.005	0.18	0.18	—	648	648	0.03	0.03	0.76	658
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	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

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	0.86	0.79	0.71	6.10	0.02	0.01	1.71	1.72	0.01	0.43	0.44	—	1,598	1,598	0.07	0.08	1.88	1,624

4.1.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.93	2.71	2.10	21.7	0.06	0.04	5.68	5.71	0.03	1.44	1.47	—	6,052	6,052	0.23	0.26	15.6	6,150
Apartments Mid Rise	2.00	1.85	1.43	14.8	0.04	0.02	3.87	3.89	0.02	0.98	1.00	—	4,122	4,122	0.16	0.17	10.6	4,189
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	4.93	4.56	3.53	36.4	0.10	0.06	9.55	9.61	0.06	2.42	2.48	—	10,175	10,175	0.38	0.43	26.3	10,339
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.84	2.61	2.45	20.7	0.06	0.04	5.68	5.71	0.03	1.44	1.47	—	5,713	5,713	0.26	0.28	0.41	5,803

EXHIBIT B

Apartme Mid Rise	1.94	1.78	1.67	14.1	0.04	0.02	3.87	3.89	0.02	0.98	1.00	—	3,891	3,891	0.18	0.19	0.28	3,953
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclose d Parking Structure	0.00	0.00	0.00	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	4.78	4.39	4.11	34.7	0.09	0.06	9.55	9.61	0.06	2.42	2.48	—	9,604	9,604	0.43	0.47	0.68	9,756
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	0.51	0.47	0.42	3.63	0.01	0.01	1.01	1.02	0.01	0.26	0.26	—	951	951	0.04	0.04	1.12	966
Apartme nts Mid Rise	0.35	0.32	0.29	2.47	0.01	< 0.005	0.69	0.70	< 0.005	0.18	0.18	—	648	648	0.03	0.03	0.76	658
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclose d Parking Structure	0.00	0.00	0.00	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	0.86	0.79	0.71	6.10	0.02	0.01	1.71	1.72	0.01	0.43	0.44	—	1,598	1,598	0.07	0.08	1.88	1,624

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	342	342	0.06	0.01	—	345
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	210	210	0.03	< 0.005	—	212
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	64.1	64.1	0.01	< 0.005	—	64.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.10	7.10	< 0.005	< 0.005	—	7.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	622	622	0.10	0.01	—	629
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	342	342	0.06	0.01	—	345
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	210	210	0.03	< 0.005	—	212
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

EXHIBIT B

Enclose Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	64.1	64.1	0.01	< 0.005	—	64.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.10	7.10	< 0.005	< 0.005	—	7.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	622	622	0.10	0.01	—	629
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	56.6	56.6	0.01	< 0.005	—	57.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	34.7	34.7	0.01	< 0.005	—	35.1
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	10.6	10.6	< 0.005	< 0.005	—	10.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.18	1.18	< 0.005	< 0.005	—	1.19
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	103	103	0.02	< 0.005	—	104

4.2.2. Electricity Emissions By Land Use - Mitigated

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

EXHIBIT B

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	341	341	0.06	0.01	—	345
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	210	210	0.03	< 0.005	—	212
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	64.1	64.1	0.01	< 0.005	—	64.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.10	7.10	< 0.005	< 0.005	—	7.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	622	622	0.10	0.01	—	628
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	341	341	0.06	0.01	—	345
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	210	210	0.03	< 0.005	—	212
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	64.1	64.1	0.01	< 0.005	—	64.7

EXHIBIT B

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.10	7.10	< 0.005	< 0.005	—	7.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	622	622	0.10	0.01	—	628
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	56.5	56.5	0.01	< 0.005	—	57.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	34.7	34.7	0.01	< 0.005	—	35.1
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	10.6	10.6	< 0.005	< 0.005	—	10.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.18	1.18	< 0.005	< 0.005	—	1.19
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	103	103	0.02	< 0.005	—	104

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

EXHIBIT B

Condo/Townhouse	0.12	0.06	1.06	0.45	0.01	0.09	—	0.09	0.09	—	0.09	—	1,339	1,339	0.12	< 0.005	—	1,343
Apartments Mid Rise	0.03	0.01	0.24	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	—	310	310	0.03	< 0.005	—	311
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	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	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	1,650	1,650	0.15	< 0.005	—	1,654
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.12	0.06	1.06	0.45	0.01	0.09	—	0.09	0.09	—	0.09	—	1,339	1,339	0.12	< 0.005	—	1,343
Apartments Mid Rise	0.03	0.01	0.24	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	—	310	310	0.03	< 0.005	—	311
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	0.00	0.00	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

EXHIBIT B

Other Asphalt Surfaces	0.00	0.00	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	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	1,650	1,650	0.15	< 0.005	—	1,654
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.02	0.01	0.19	0.08	< 0.005	0.02	—	0.02	0.02	—	0.02	—	222	222	0.02	< 0.005	—	222
Apartments Mid Rise	0.01	< 0.005	0.04	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.4	51.4	< 0.005	< 0.005	—	51.5
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	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	0.03	0.01	0.24	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	—	273	273	0.02	< 0.005	—	274

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.12	0.06	1.06	0.45	0.01	0.09	—	0.09	0.09	—	0.09	—	1,339	1,339	0.12	< 0.005	—	1,343

EXHIBIT B

Apartments	0.03	0.01	0.24	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	—	310	310	0.03	< 0.005	—	311
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	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	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	1,650	1,650	0.15	< 0.005	—	1,654
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.12	0.06	1.06	0.45	0.01	0.09	—	0.09	0.09	—	0.09	—	1,339	1,339	0.12	< 0.005	—	1,343
Apartments Mid Rise	0.03	0.01	0.24	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	—	310	310	0.03	< 0.005	—	311
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	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	0.15	0.08	1.30	0.55	0.01	0.11	—	0.11	0.11	—	0.11	—	1,650	1,650	0.15	< 0.005	—	1,654
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/T	0.02	0.01	0.19	0.08	< 0.005	0.02	—	0.02	0.02	—	0.02	—	222	222	0.02	< 0.005	—	222
Apartments Mid Rise	0.01	< 0.005	0.04	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.4	51.4	< 0.005	< 0.005	—	51.5
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	0.00	0.00	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
Other Asphalt Surfaces	0.00	0.00	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	0.03	0.01	0.24	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	—	273	273	0.02	< 0.005	—	274

4.3. Area Emissions by Source

4.3.1. 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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	9.85	9.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.81	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

EXHIBIT B

Landscape	1.57	1.48	0.15	15.8	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.2	44.2	< 0.005	< 0.005	—	44.4
Total	13.2	13.1	0.15	15.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	44.2	44.2	< 0.005	< 0.005	—	44.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	9.85	9.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.81	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.7	11.7	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	1.80	1.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14	0.13	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.61	3.61	< 0.005	< 0.005	—	3.62
Total	2.27	2.26	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.61	3.61	< 0.005	< 0.005	—	3.62

4.3.2. Mitigated

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

EXHIBIT B

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	9.85	9.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.81	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.57	1.48	0.15	15.8	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.2	44.2	< 0.005	< 0.005	—	44.4
Total	13.2	13.1	0.15	15.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	44.2	44.2	< 0.005	< 0.005	—	44.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	9.85	9.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.81	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.7	11.7	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	1.80	1.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14	0.13	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.61	3.61	< 0.005	< 0.005	—	3.62
Total	2.27	2.26	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.61	3.61	< 0.005	< 0.005	—	3.62

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	9.73	25.1	34.9	1.00	0.02	—	67.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.49	14.1	21.6	0.77	0.02	—	46.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114

EXHIBIT B

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	9.73	25.1	34.9	1.00	0.02	—	67.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.49	14.1	21.6	0.77	0.02	—	46.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.61	4.16	5.77	0.17	< 0.005	—	11.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1.24	2.34	3.58	0.13	< 0.005	—	7.68
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.85	6.50	9.35	0.29	0.01	—	18.8

4.4.2. Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	9.73	25.1	34.9	1.00	0.02	—	67.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.49	14.1	21.6	0.77	0.02	—	46.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	9.73	25.1	34.9	1.00	0.02	—	67.1

EXHIBIT B

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.49	14.1	21.6	0.77	0.02	—	46.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	17.2	39.3	56.5	1.77	0.04	—	114
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	1.61	4.16	5.77	0.17	< 0.005	—	11.1
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1.24	2.34	3.58	0.13	< 0.005	—	7.68
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.85	6.50	9.35	0.29	0.01	—	18.8

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	57.0	0.00	57.0	5.69	0.00	—	199
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.8	0.00	43.8	4.38	0.00	—	153
City Park	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.80
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	57.0	0.00	57.0	5.69	0.00	—	199
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.8	0.00	43.8	4.38	0.00	—	153
City Park	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.80

EXHIBIT B

Enclose Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	9.43	0.00	9.43	0.94	0.00	—	33.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.25	0.00	7.25	0.72	0.00	—	25.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.04	0.00	0.04	< 0.005	0.00	—	0.13
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.5

4.5.2. Mitigated

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

EXHIBIT B

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	57.0	0.00	57.0	5.69	0.00	—	199
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.8	0.00	43.8	4.38	0.00	—	153
City Park	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.80
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	57.0	0.00	57.0	5.69	0.00	—	199
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.8	0.00	43.8	4.38	0.00	—	153
City Park	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.80
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

EXHIBIT B

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	101	0.00	101	10.1	0.00	—	353
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	9.43	0.00	9.43	0.94	0.00	—	33.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.25	0.00	7.25	0.72	0.00	—	25.4
City Park	—	—	—	—	—	—	—	—	—	—	—	0.04	0.00	0.04	< 0.005	0.00	—	0.13
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	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
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.5

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

EXHIBIT B

Condo/T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.54	0.54

4.6.2. Mitigated

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

EXHIBIT B

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.54	0.54

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

EXHIBIT B

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
Site Preparation	Site Preparation	7/1/2025	7/7/2025	5.00	5.00	—
Grading	Grading	7/8/2025	7/28/2025	5.00	15.0	—
Building Construction	Building Construction	8/8/2026	5/11/2029	5.00	720	—
Paving	Paving	7/29/2025	8/7/2025	5.00	8.00	—
Architectural Coating	Architectural Coating	8/22/2026	5/25/2029	5.00	720	—

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
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
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

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38

Grading	Tractors/Loaders/Back	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
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

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	256	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—

Building Construction	Worker	196	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	32.4	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	39.2	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

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	256	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—

Building Construction	Worker	196	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	32.4	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	39.2	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

Non-applicable. No control strategies activated by user.

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	927,395	309,132	0.00	0.00	35,971

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)

Site Preparation	—	—	7.50	0.00	—
Grading	19,500	11,200	45.0	0.00	—
Paving	0.00	0.00	0.00	0.00	13.8

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Apartments Mid Rise	—	0%
City Park	0.00	0%
Enclosed Parking Structure	0.00	100%
Parking Lot	0.33	100%
Other Asphalt Surfaces	13.4	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2028	0.00	204	0.03	< 0.005
2029	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

EXHIBIT B

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	937	937	937	341,877	8,046	8,046	8,046	2,936,632
Apartments Mid Rise	638	638	638	232,870	5,480	5,480	5,480	2,000,289
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	937	937	937	341,877	8,046	8,046	8,046	2,936,632
Apartments Mid Rise	638	638	638	232,870	5,480	5,480	5,480	2,000,289
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	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
Other Asphalt Surfaces	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)
Condo/Townhouse	—

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	143
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	110
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	143

Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	110
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)
927395.325	309,132	0.00	0.00	35,971

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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)
Condo/Townhouse	611,252	204	0.0330	0.0040	4,179,116
Apartments Mid Rise	375,260	204	0.0330	0.0040	968,448
City Park	0.00	204	0.0330	0.0040	0.00
Enclosed Parking Structure	114,658	204	0.0330	0.0040	0.00
Parking Lot	12,707	204	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.11.2. Mitigated

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)
Condo/Townhouse	610,552	204	0.0330	0.0040	4,179,116
Apartments Mid Rise	375,260	204	0.0330	0.0040	968,448
City Park	0.00	204	0.0330	0.0040	0.00
Enclosed Parking Structure	114,658	204	0.0330	0.0040	0.00
Parking Lot	12,707	204	0.0330	0.0040	0.00
Other Asphalt Surfaces	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)
Condo/Townhouse	5,078,052	2,449,748
Apartments Mid Rise	3,906,194	0.00
City Park	0.00	0.00
Enclosed Parking Structure	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	5,078,052	2,449,748
Apartments Mid Rise	3,906,194	0.00
City Park	0.00	0.00
Enclosed Parking Structure	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	106	—
Apartments Mid Rise	81.3	—
City Park	0.43	—
Enclosed Parking Structure	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	106	—
Apartments Mid Rise	81.3	—
City Park	0.43	—
Enclosed Parking Structure	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	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
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
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
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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
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
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	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

5.15.2. Mitigated

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

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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

8. User Changes to Default Data

Screen	Justification
Land Use	Land use square footage and acreages based on site plan
Construction: Construction Phases	Construction timing based on air quality questionnaire provided by applicant team
Operations: Vehicle Data	Based on Table 1 of F&P Transportation Assessment Memo
Operations: Hearths	Based on applicant provided information.

APPENDIX B

BRIEF BIOLOGICAL CONSTRAINTS ANALYSIS

BRIEF BIOLOGICAL CONSTRAINTS ANALYSIS

FOR THE COLLIER CANYON PARCELS

ALAMEDA COUNTY, CALIFORNIA



January 2020

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BRIEF BIOLOGICAL CONSTRAINTS ANALYSIS

COLLIER CANYON PARCELS

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SECTION 1. INTRODUCTION

Johnson Marigot Consulting, LLC (JMC) has been retained to provide a brief biological constraints analysis for the approximately 15.1-acre Collier Canyon Parcels site (comprised of 6 parcels) (herein referred to as the site) located in Livermore, Alameda County, California (Assessor's Parcel Numbers: 905-15-8, -25, -26, -27, -28, and -29) (Figures 1 and 2). The purpose of this report is to qualitatively identify potential occurrences and/or habitat for special-status plant and wildlife species on the site and to identify local, state, and/or federal biological constraints and ordinances applicable to the development of the site. This document is intended to represent a due-diligence evaluation only, and is not intended to be submitted to agencies.

SECTION 2. METHODOLOGY

A literature review was conducted for special-status species known to occur in the vicinity of the site. In addition to a literature review, the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB) and the California Native Plant Society (CNPS) Inventory of Rare, Threatened, and Endangered Plants of California were queried for occurrences of special-status species in the vicinity of the site. A list of these special-status species has been compiled in tables (Table 2 and 3) which also discuss listing/ranking status, required habitat components, proximity of records to the site, and probability of occurrence onsite.

Additional research was conducted to identify local, state, and federal natural resource ordinances and laws that would be applicable to the development of the site; these ordinances and laws are discussed below. It should be noted however, that although some local entitlement requirements are addressed below (e.g. Livermore General Plan 2003-2025), this report does not provide a summary of all local entitlement requirements.

On November 22, 2019, JMC personnel Cameron Johnson and Sadie McGarvey conducted a site visit to evaluate biological resources present on the accessible portions of the site. At the time of the site visit, Mr. Johnson and Ms. McGarvey had received authorization to survey the 5 southern parcels. Site assessment included a reconnaissance level survey of the accessible portions of the site to characterize vegetation, topography, and current and historic uses of the site (as well as the surrounding properties), and to investigate potential presence of waters of the U.S./State. Observations made during site visits were used to determine the potential for the site to provide suitable habitat for special-status species (presence of habitat components necessary to support the species) and sensitive habitats.

Mr. Johnson and Ms. McGarvey performed an additional analysis of the inaccessible parcel (APN 905-15-25) based on an assessment of publicly available aerial imagery (Google Earth), and in light of observations made from the accessible and adjacent parcels during the site visit. This assessment included an evaluation of the likelihood of presence of waters of the U.S./State, as well as the likelihood of presence of suitable habitat for special-status species and sensitive habitats.

SECTION 3. EXISTING SITE CONDITIONS

The approximately 15.1-acre site is located in the northwestern corner of Livermore, Alameda County, California (the approximate center of the site is 37.703075°N, 121.807020°W). The site is located immediately northwest of the intersection of Collier Canyon Road and Constitution Drive. The site is bound to the south by Constitution Drive, to the east by Collier Canyon Road, to the west by Collier Canyon Creek, and to the north and northwest by Alameda County Flood Control and Water Conservation District (Zone 7) and Cornerstone Church campuses. Overall, the site is relatively flat, occurring on a gentle southwestern-facing slope, with elevations ranging from approximately 435 feet above mean sea level (AMSL) at the northern boundary to approximately 415 feet AMSL at the southwestern corner.

Onsite waters drain to Collier Canyon Creek which runs along the western site boundary. Collier Canyon Creek, in turn, flows into a concrete-lined canal (located at the southwestern corner of the site) that acts as the confluence for waters transported via two 72-inch culverts that run below-ground along the western portion of the site, as well as a 24-inch culvert that transports flows that run below-ground along the southern portion of the site. These combined waters then flow offsite through two box culverts that flow southerly underneath Constitution Drive and Interstate 680.

3.1 LAND COVER TYPES

The site is largely characterized by ruderal habitat, with the Collier Canyon Creek corridor traversing the northern portion of the site and flowing southerly along the western site boundary, a former homestead occurring in the northeastern corner of the site, and hardscape scattered throughout the site. Figure 2 presents an overall land cover map for the site.

3.1.1 RUDERAL

A majority of the site is fairly disturbed due to its open access to the public via the "prayer walk" as well as its location immediately adjacent to the moderately trafficked Collier Canyon Road and Constitution Drive, as well as the heavily trafficked Interstate 580. Accordingly, this area is dominated by species that colonize and thrive in disturbed areas, collectively referred to as ruderal species. These species may be native or non-native, but are often thought of as "weedy" species. The ruderal areas are sparely vegetated, with existing vegetation dominated by non-native herbaceous species such as stinkwort (*Dittrichia graveolens*), short podded mustard (*Hirschfeldia incana*), and prickly wild lettuce (*Lactuca serriola*), and rose clover (*Trifolium hirtum*), with lesser dominants including slender wild oat (*Avena barbata*) and alkali mallow (*Malvella leprosa*).

3.1.2 RIPARIAN

Collier Canyon Creek transects the northern portion of the site and defines the western boundary of the site. The vegetation community surrounding and reliant on this creek is referred to as "riparian". The riparian corridor is primarily dominated by a dense canopy cover comprised of willow (*Salix lasiandra* and *S. lasiolepis*), coast live oak (*Quercus agrifolia*), Fremont cottonwood (*Populus fremontii*), and black walnut (*Juglans hindsii*). Breaks in the canopy are scattered along the length of the corridor, with understory plants such as beardless wildrye (*Elymus triticoides*), fennel (*Foeniculum vulgare*), and coyote brush (*Baccharis pilularis*) dominating the openings. The northern portion of the riparian

canopy is fenced on both sides. Any proposed modification of Collier Creek, including modification to the bed, banks, or riparian vegetation, would trigger permitting requirements by the California Department of Fish & Wildlife pursuant to CDFG codes.

3.1.3 FORMER HOMESTEAD

The northeastern portion of the site was formerly occupied by a homestead, which has been abandoned and all structures removed from the site. The term homestead is generally taken to mean a home and adjoining land, especially a farmhouse with outbuildings; often using the term homestead instead of "single-family home" implies an agricultural and/or rural aspect to the property. This portion of the site has evidence of former residential occupation as it is dominated by ornamental vegetation including pink jasmine (*Jasminum polyanthum*), ornamental sage (*Artemisia* sp.), ice plant (*Carpobrotus edulis*), palms (*Phoenix canariensis*), ash (*Fraxinus* sp.), and numerous tree of heaven (*Ailanthus altissima*) trees and offshoots, scattered among ruderal vegetation consistent with that observed throughout the majority of the site.

3.1.4 HARDSCAPE

A trail ("prayer walk") winds through much of the southern portion of the site. The trail consists of an asphalt road (former alignment of Collier Canyon Road), a gravel road (occurring over the right-of-way for the undergrounded stormwater system along the western length of the site), and a minimally upkept dirt path. The trail is largely denuded, with scattered stinkwort growing through cracks in the hardscape. In addition, the concrete-lined canal that occurs at the southwestern corner of the site, the fenced off electrical enclosure that occurs at the southeastern corner of the site, and the areas immediately adjacent to the southern sidewalk and the northern parking lot are all comprised of hardscape (concrete and gravel), supporting little to no vegetation.

3.2 POTENTIAL WATERS OF THE U.S./STATE

3.2.1 COLLIER CANYON CREEK

Collier Canyon Creek runs east to west, traversing the northern portion of the site and then turning in a southerly direction, defining the western site boundary. This intermittent creek was completely dry along the north-south stretch, but had standing water in the upper reaches during the November 22, 2019 site visit. The incised creek channel ranges between 2 and 4-feet-wide at ordinary high water mark (OHWM) and 8 and 20-feet-wide at top of bank (TOB). In-channel vegetation is sparse, but occurs in dense clusters, with dominant species including Perennial pepperweed (*Lepidium latifolium*) and bulrush (*Bolboschoenus* sp.). Collier Canyon Creek is a jurisdictional water of the U.S. and State. Any modification of Collier Creek, including placement of any fill materials, or modification of the bed, banks, or riparian vegetation, will trigger permitting requirements from the US Army Corps of Engineers (Corps), the Regional Water Quality Control Board (RWQCB) pursuant to the Clean Water Act, and the CDFW, pursuant to Fish and Game codes.

3.2.2 SEASONAL WETLAND

A single potential seasonal wetland occurs in the southwestern portion of the site, immediately adjacent to the gravel portion of the trail. While an aerial signature of this potential feature cannot be observed in publicly available aerial photographs (Google Earth), the topographically low area exhibited 100%

cover of saltgrass (*Distichlis spicata*), a facultative wetland plant that could indicate the presence of a jurisdictional seasonal wetland. Due to the ephemeral nature of seasonal wetlands, observation of wetland character is best completed during the winter and spring months. Surveys conducted out of season are limited, and more features may be observed when a formal wetland delineation is completed. In order for wetlands to be jurisdictional, they must meet federal or state standards which typically includes a 3-parameter test (hydrology, soils, vegetation). This test should be applied to determine agency jurisdiction. If this feature is determined to be a regulated water of the U.S. or State, any subsequent fill of the feature would trigger permitting requirements from the Corps and the RWQCB.

3.3 SOILS

According to the Natural Resource Conservation Service, a single soil unit, or type, has been mapped within the site (NRCS 2019): Diablo clay, very deep, 3 to 15 percent slopes. Diablo clay, very deep, 3 to 15 percent slopes (Figure 3) is a well-drained soil derived from shale and siltstone alluvium, and is found in large bodies on hillsides. This clayey to silty-clay soil has a slow permeability and a high runoff class, resulting in a slight to moderate erosion hazard. Available water holding capacity is high; the water table generally occurs more than 6.5 feet below the surface. This soil type is not known to flood or pond. Diablo clay, very deep, 3 to 15 percent slopes is on the California Hydric Soils List. The onsite soils exhibited deep fissures and cracking during the November 22, 2019 site visit.

3.4 HYDROLOGY

The site primarily derives its hydrology from direct precipitation, however, some portions of the site may occur within the active floodplain of Collier Canyon Creek.

SECTION 4. BIOLOGICAL RESOURCE CONSTRAINTS

4.1 SPECIAL STATUS SPECIES

Special-status species include those considered to be rare by state and federal resource agencies (CDFW and the United States Fish and Wildlife Service [USFWS]) and/or the scientific community (CNPS), and are accordingly legally protected via local, state, and/or federal law. For purposes of this assessment, special-status species are defined as plants or animals protected pursuant to:

1. Federal Endangered Species Act (FESA),
2. State Endangered Species Act (CESA),
3. California Fish and Game Codes that protect nesting birds (Section 3503), raptors (Section 3503.5), and "fully protected species" (Sections 3511, 4700, 5050, and 5515)
4. Migratory Bird Treaty Act,
5. CNPS "rare" designation - all of the plants constituting California Rare Plant Rank 1A, 1B, and 2 meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 of the CESA of the California Department of Fish and Game Code, and are eligible for state

listing (CNPS Inventory, 6th Edition, 2001), and/or

6. CDFW "species of special concern" (SSC) designation.

For a brief description of all special-status wildlife known to occur in the vicinity of the site, see the attached Special-Status Plant/Wildlife Species Known to Occur in the Vicinity of the Collier Canyon Parcels Site tables (Tables 2 and 3). Figure 4 depicts the locations of the recorded occurrences for these species.

4.1.1 PLANTS

According to the CNDDB and the CNPS Inventory of Rare, Threatened, and Endangered Plants of California, a total of 10 records for special-status plant species have been documented within three miles of the site and/or within the same U.S. Geological Survey (USGS) 7.5' topographic quadrangle (quad) as the site (Livermore quad): brittlescale (*Atriplex depressa*), lesser saltscale (*Atriplex minuscula*), big-scale balsamroot (*Balsamorhiza macrolepis*), Congdon's tarplant (*Centromadia parryi* ssp. *congdonii*), palmate-bracted bird's-beak (*Chloropyron palmatum*), San Joaquin spearscale (*Extriplex joaquinana*), prostrate vernal pool navarretia (*Navarretia prostrata*), long-styled sand-spurrey (*Spergularia macrotheca*), saline clover (*Trifolium hydrophilum*), and caper-fruited tropidocarpum (*Tropidocarpum capparideum*).

Three of these species require specialized habitats that do not occur on the site such as mesic soils (prostrate vernal pool navarretia and saline clover) and meadows, seeps, marshes, and swamps (long-styled sand-spurrey). As such, these species are not expected to occur onsite. However, the onsite soils which are considered to be mildly alkaline provide potentially suitable habitat for the remaining seven species. In the absence of protocol-level rare plant surveys, the presence of special-status plants on the site cannot be ruled out. Rare plant surveys should be conducted during the appropriate season, for these seven species.

4.1.2 WILDLIFE

4.1.2.1 State and Federally Listed Wildlife

According to the CNDDB, a total of six special-status wildlife species have been documented within three miles of the site: burrowing owl (*Athene cunicularia*), California red-legged frog (*Rana draytonii*), California tiger salamander (*Ambystoma californiense*), tricolored blackbird (*Agelaius tricolor*), vernal pool fairy shrimp (*Branchinecta lynchi*), and western pond turtle (*Emys marmorata*). Four of these species require specialized habitats that do not occur onsite including, vernal pools (vernal pool fairy shrimp), grasslands adjacent to seasonal wetlands/ponds that constitute aquatic breeding habitat (California tiger salamander), wetlands with tall emergent vegetation (tricolored blackbird), and upland habitats with adjacent permanent or nearly permanent water (western pond turtle).

There exists the potential for occurrence for two regionally known special-status species: burrowing owl (California Species of Special Concern) and California red-legged frog (federally threatened and California Species of Special Concern).

While no burrowing owls or evidence of their use of the site was observed during JMC's November survey, the onsite grasslands support numerous ground squirrel burrows that could provide suitable nesting sites for this species. In the absence of preconstruction surveys for burrowing owls,

development-related impacts to this species cannot be ruled out. Site survey for burrowing owls is recommended prior to any site development. These surveys typically include two survey dates during the nesting season for this species (generally taken to mean February 1 through August 31), and a pre-construction survey to occur not more than 14 days prior to site construction. If preconstruction surveys find that the site is occupied by burrowing owls, then Avoidance Measures must be implemented pursuant to the CDFG protocol. These include the establishment of an avoidance and minimization plan, approval by the implementing agency (CEQA lead), and CDFW, and onsite biological monitoring. In some cases, projects may be approved for relocation of onsite burrowing owls.

- California red-legged frogs have been documented within Collier Canyon Creek, just 0.2 mile upstream from the site, and as such, while the onsite grasslands are unlikely to be used by this species, the riparian corridor could support dispersing individuals (the onsite portion of the creek does not provide suitable breeding habitat - i.e., plunge pools, undercut banks, etc.). Site surveys (diurnal and nocturnal) for California red-legged frogs should be conducted within and adjacent to Collier Canyon Creek between January and September in the year permitting efforts are initiated.
- A single potential wetland feature was observed during the site visit that should be evaluated to determine if it meets the 3-parameter test of a jurisdictional wetland. If it is determined to be a jurisdictional feature, it should be further evaluated to determine if it could represent habitat for vernal pool fairy shrimp (i.e. is it a vernal pool?).

If a federally listed species is observed onsite during additional site surveys, or impact to this species is assumed, take coverage from the USFWS should be obtained. Projects that do not result in take are not required to attain take coverage. Similarly, while the site is not located within designated critical habitat for any regionally known federally listed species, the site may provide potential habitat for federally listed species; if impacts to waters of the U.S. would be incurred as part of project-related activities, through the authorization process for impacts to the Army Corps of Engineers' jurisdiction, it is likely that the Corps will request consultation with the USFWS pursuant to Section 7 of the Federal Endangered Species Act.

4.1.2.2 Nesting Birds

The trees and grassland/herbaceous habitats that occur onsite provide suitable nesting habitat for many species of passerine (perching) birds and raptors (birds of prey), including white-tailed kite (*Elanus leucurus*) (CDFW fully protected species) and burrowing owl (State Species of Special Concern). No nests were observed onsite, however owing to the mobile nature of birds and the seasonality of their nesting cycle, and in light of the presence of abundant suitable nesting habitat onsite, these birds could nest onsite during future nesting seasons. In the absence of preconstruction surveys for nesting birds, development-related impacts to nesting birds cannot be ruled out. If project-related activities associated with the development of the site were to commence during the bird nesting season (generally taken to mean February 1 through August 31), preconstruction nesting bird surveys would be required.

4.1.2.3 Roosting Bats

Several species of special-status bats are known to occur in Alameda County. While there are no records for special-status bat species in the vicinity of the site, the riparian corridor provides suitable habitat for roosting bats, and as such, the City of Livermore and/or CDFW may request special Avoidance and Minimization Measures be implemented prior to vegetation removal. A survey should be conducted for

tree-roosting bats prior to trimming/tree removal within the riparian corridor.

4.4 WATERS OF THE U.S./STATE

The potential seasonal wetland and creek on the site are likely regulated by the state (Regional Water Quality Control Board [RWQCB]) and federal (U.S. Army Corps of Engineers [Corps]) jurisdiction, pursuant to the Clean Water Act. Similarly, the California Department of Fish and Wildlife would likely have jurisdiction over the creek corridor and associated riparian canopy (to the dripline), pursuant to Section 1600 of the California Fish and Game Code. If seasonal wetlands and/or the creek are to be impacted by the development of the site, or stormwater is to be directed toward one or more of these features, permits may be required from one or all of these agencies. Determination of the limits of agency jurisdiction (Clean Water Act, Porter Cologne Act, and CDFW codes) is recommended.

4.5 OTHER CONSTRAINTS

4.5.1 LOCAL, STATE, AND FEDERAL PLANS

4.5.1.1 City of Livermore General Plan 2003-2025

The City of Livermore General Plan 2003-2025 was adopted in 2004 as the City of Livermore's (City) fundamental land use and development policy document, intended to guide development and conservation in the City through 2025.

Riparian Protection

Livermore stream corridors are protected pursuant to the Open Space and Conservation Element of the City of Livermore General Plan 2003-2025 (2025 General Plan) (Objective OSC-1.2 [related policies P1-P13] and OSC-2.1 [related policies P1-5]). These protections include the establishment of setbacks (to be determined in coordination with resource agencies), enhancement and protection of native Creekside vegetation, preservation of riparian woodlands, and native landscaping requirements. It is of note that the 2025 General Plan does not provide allowances for development within a riparian corridor, with riparian corridor defined as "areas within 200 feet from the center of a permanent or intermittent stream."

North Livermore Urban Growth Boundary Initiative

The North Livermore Urban Growth Boundary Initiative was enacted in 2002 to amend the City's General Plan by establishing land uses and regulations for property in North Livermore, including, but not limited to, placing restrictions on development affecting wetlands, riparian corridors and wildlife habitats, and on slopes. Relevant policies include requirements for retention or replacement of mature trees, and a 100-foot minimum setback for structures on either side of the center line of the creek.

4.5.1.2 East Alameda Conservation Strategy

The East Alameda County Conservation Strategy (Conservation Strategy) was developed to streamline the environmental permitting process for infrastructure and development projects, within a framework focused on the protection, enhancement, and restoration of natural resources (including special-status species and sensitive habitats) in eastern Alameda County. The Conservation Strategy

acts as a guiding document for local projects, ensuring compliance with local, state, and federal regulatory requirements, and assuring consistent and standardized mitigation requirements.

Conservation goals have been developed for focal species within the Conservation Strategy study area including the following plant and wildlife species: San Joaquin spearscale, big tarweed (*Blepharizonia plumosa*), Congdon's tarplant, palmate-bracted bird's-beak, Livermore Valley tarplant (*Deinandra bacigalupii*), recurved larkspur (*Delphinium recurvatum*), vernal pool and longhorn fairy shrimp (*Branchinecta lynchi* and *B. longiantenna*, respectively), Callippe silverspot butterfly (*Speyeria callippe callippe*), California red-legged frog, California tiger salamander, foothill yellow-legged frog (*Rana boylii*), Alameda whipsnake (*Masticophis lateralis euryxanthus*), golden eagle (*Aquila chrysaetos*), tricolored blackbird, burrowing owl, American badger (*Taxidea taxus*), San Joaquin kit fox (*Vulpes macrotis mutica*), and central California coast steelhead (*Oncorhynchus mykiss irideus*). While many of these species are not known to occur in the immediate vicinity of the site, they are species of concern for eastern Alameda County.

As detailed in Section 4.1.1, the mildly alkaline soils and grasslands present on the project site are considered suitable habitat for many of the regionally known rare plants, including big tarweed, Livermore Valley tarplant, and recurved larkspur. While the onsite habitats are suitable for California red-legged frog and burrowing owl (as detailed in Section 4.1.2), due to the site's distance and isolation from regionally known occurrences and/or lack of suitable habitat, the remaining wildlife species identified as focal species by the Conservation Strategy are not expected to occur on the site (see Tables 2 and 3 for further detail).

The Conservation Strategy's study area boundaries are based on political, ecological, and hydrologic factors. The study area encompasses the eastern half of Alameda County (approximately 271,485 acres). Because the study area is so large, and represents significant ecological diversity, it has been broken down into 18 discrete Conservation Zones (CZs) that encompass similar habitat types. By breaking the study area down into habitat types and areas, appropriate conservation goals can be established for each CZ. Per the Conservation Strategy, the project site is located within CZ4. Conservation goals for CZ4 are as follows:

- Protection and management of alkali meadow and scald, valley sink scrub seasonal wetland, and perennial freshwater marsh in the Springtown Alkali Sink and surrounding watershed.
- Protection of the palmate-bracted bird's beak population.
- Protection of Frick Lake and surrounding uplands for California tiger salamander.
- Protection within vernal pool species recovery units.
- Protection of vernal pool and longhorn fairy shrimp habitat.
- Protection of designated critical habitat for vernal pool and longhorn fairy shrimp.
- Surveys for vernal pool and longhorn fairy shrimp and protection of documented occurrences.
- Protection of known occurrences of San Joaquin spearscale and surveys of other potential habitat.*
- Protection of known occurrences of Congdon's tarplant and surveys of other potential habitat.*
- Protection of designated critical habitat for California red-legged frog.
- Protection and restoration of Cayetano Creek, Arroyo Los Positas, and Altamont Creek.
- Protection of suitable habitat for Alameda whipsnake.

- Protection and enhancement of linkages across I-580 and Vasco Road for San Joaquin kit fox and American badger, including protection of lands on both sides of the roadways.

* These conservation goals are of note as these species and/or habitats have been documented on or near the site.

It is of note that a Programmatic Biological Opinion has been issued for the area within the East Alameda Conservation Strategy's study area (*Programmatic Biological Opinion for U.S. Army Corps of Engineers (Corps) Permitted Projects Utilizing the East Alameda County Conservation Strategy that May Affect Federally Listed Species in East Alameda County, California (Corps File Number 2011-00230S)*). It is possible that the City of Livermore will request that conditions presented within the Programmatic Biological Opinion be adhered to as part of the City's permitting process.

4.5.1.3 Livermore Tree Preservation Ordinance

The Livermore City Council has enacted the Livermore Tree Preservation Ordinance (Tree Ordinance) to establish basic standards for the preservation and protection of a healthy and sustainable urban forest through the implementation of policies, regulations, and standards for the protection of trees on any parcel of land within the City of Livermore. Pursuant to the Tree Ordinance, the removal trees that have been designated as a "Protected tree" requires a permit. Protected trees include single-trunked tree, a multi-trunked tree, or a stand of trees dependent upon each other for survival that meets any one or more of the following criteria:

1. Any tree located on private property occupied by single-family residential development that meets the following criteria:

a. Any tree with a circumference (CBH) of 60 inches or more; or

b. Any California native tree having a circumference (CBH) of 24 inches or more;

2. Any tree located on private property occupied by commercial, industrial, institutional (i.e., religious, public agency, hospital, care facilities, etc.), mixed-use or multifamily residential (two or more units) development with a circumference (CBH) of 24 inches or more; or

3. Any tree located on an undeveloped or underdeveloped property, regardless of zoning district, use, or development status, for which new development is proposed, with a circumference (CBH) of 18 inches or more; or

4. Any tree located in an open space, riparian, or habitat area with a circumference (CBH) of 18 inches or more; or

5. Any tree approved as part of a site plan approval, or required as a condition of approval for a development project, zoning use permit, use permit or other site development review; or

6. Any tree designated by the City Council as determined to be an ancestral tree; and/or

7. Any tree listed on the City's ancestral tree inventory; or

8. Any tree required to be planted as mitigation for unlawfully removed trees.

It is likely that many of the onsite trees would be designated as protected, and as such, if the development of the site requires the removal of any trees, a tree removal permit from the City of Livermore may be required. Such a permit may require mitigation for removal of native species and/or

mature trees.

4.5.2 EXISTING EASEMENTS

The western and southwestern portions of the site are overlaid by existing easements. The western extent of the site is overlaid by a RWQCB easement for conservation of water, wildlife habitat, open space and scenic qualities and incidental purposes. This easement extends to 100 feet from the centerline of Collier Canyon Creek and includes restrictions on development. The easement does, however, include provisions for construction of pedestrian, utility access paths and other improvements as well as low impact recreational uses, wetland construction, and maintenance and landscaping. The southwestern corner of the site is overlaid by an additional 6 easements for various utility and infrastructure requirements.

SECTION 5. CONCLUSIONS AND RECOMMENDATIONS

While a majority of the site is highly disturbed, the open, partially vegetated ruderal areas and the onsite portion of the fairly unimpacted Collier Canyon Creek may provide suitable habitat for multiple special-status plant and wildlife species. Protocol-level rare plant surveys are recommended, out of an abundance of caution, to ensure that special-status plants will not be negatively impacted by development of the site. Similarly, as the site provides suitable nesting habitat for many regionally known birds, if work is scheduled to commence during the nesting season (February 1 through August 31), impacts to these species cannot be ruled out in the absence of nesting bird surveys. A preconstruction survey should be conducted of all suitable nesting habitat prior to the commencement of vegetation removal/ground disturbance, if such work is scheduled to commence during the nesting season (this includes the onsite burrows to ensure that they are not occupied by burrowing owls). In addition, a roosting bat survey should be conducted prior any tree trimming/removal within the riparian corridor.

A determination of jurisdiction pursuant to Clean Water Act, Porter Cologne Act, and CDFG codes (i.e., wetland delineation and riparian habitat mapping) is recommended. This effort would include onsite data collection as well as site mapping of jurisdictional limits. A single seasonal wetland (potential) and the intermittent Collier Canyon Creek occur onsite. In order to determine the extent and location of waters of the U.S./State, a jurisdictional determination mapping, reporting, and verification effort would be required for the site. If impacts would be incurred to the onsite seasonal wetlands or creeks as a result of project implementation, authorization from the Corps and RWQCB pursuant to section 404 and section 401 of the Clean Water Act, and/or the CDFW pursuant to section 1600 of the Fish and Game Code would be required.

Johnson Marigot Consulting, LLC recommends the following survey efforts prior to any site disturbance:

- Jurisdictional determination for regulated waters of the U.S and State (including CDFW codes)
- Survey for Western burrowing owl

- Survey for California red-legged frog
- Survey for roosting bat species
- Survey for nesting birds, including raptors and passerines
- Survey for rare plants
- Tree survey pursuant to City of Livermore Ordinance

As the site occurs in close proximity to records for regionally known federally listed plant and wildlife species, and provides potentially suitable habitat for these species, development of the site will require and effects determination for these listed species. If impacts are incurred to federal jurisdiction (i.e., wetlands or the bed of the creek) the Corps would likely require consultation with the USFWS pursuant to Section 7 of the Endangered Species Act prior to issuance of a Clean Water Act authorization for placement of fill within waters of the U.S. Purchase of mitigation credits at a USFWS- and CDFW-approved mitigation bank (or other agency-approved mitigation) may be required.

Figures

Figure 1. Collier Canyon Parcels Site Map

Figure 2. Land Cover Types of the Collier Canyon Parcels Site

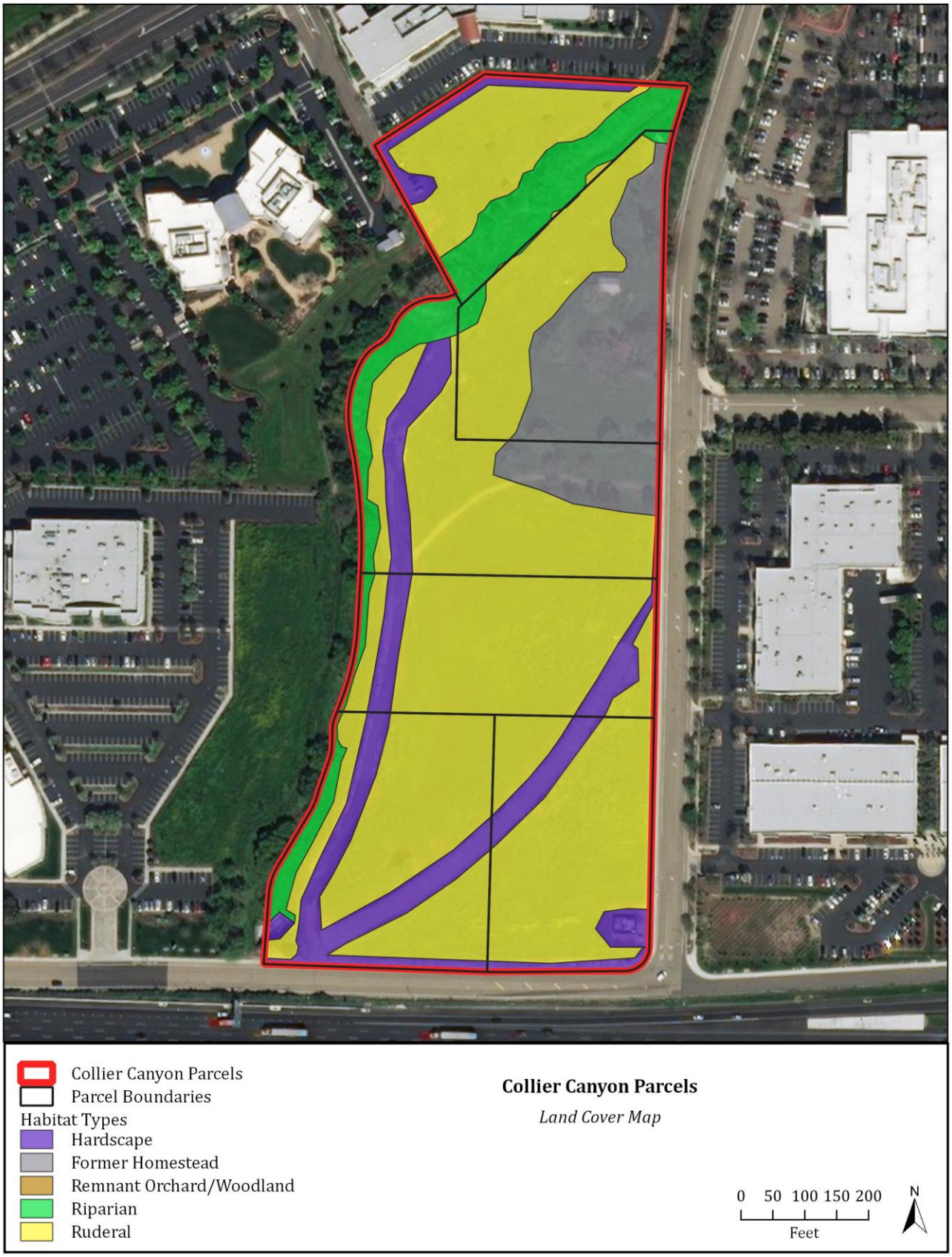
Figure 3. Collier Canyon Parcels Soil Map

Figure 4. Special-Status Species Occurrences Presumed Extant within 3 Miles of the Collier Canyon Parcels Site



Collier Canyon Parcels

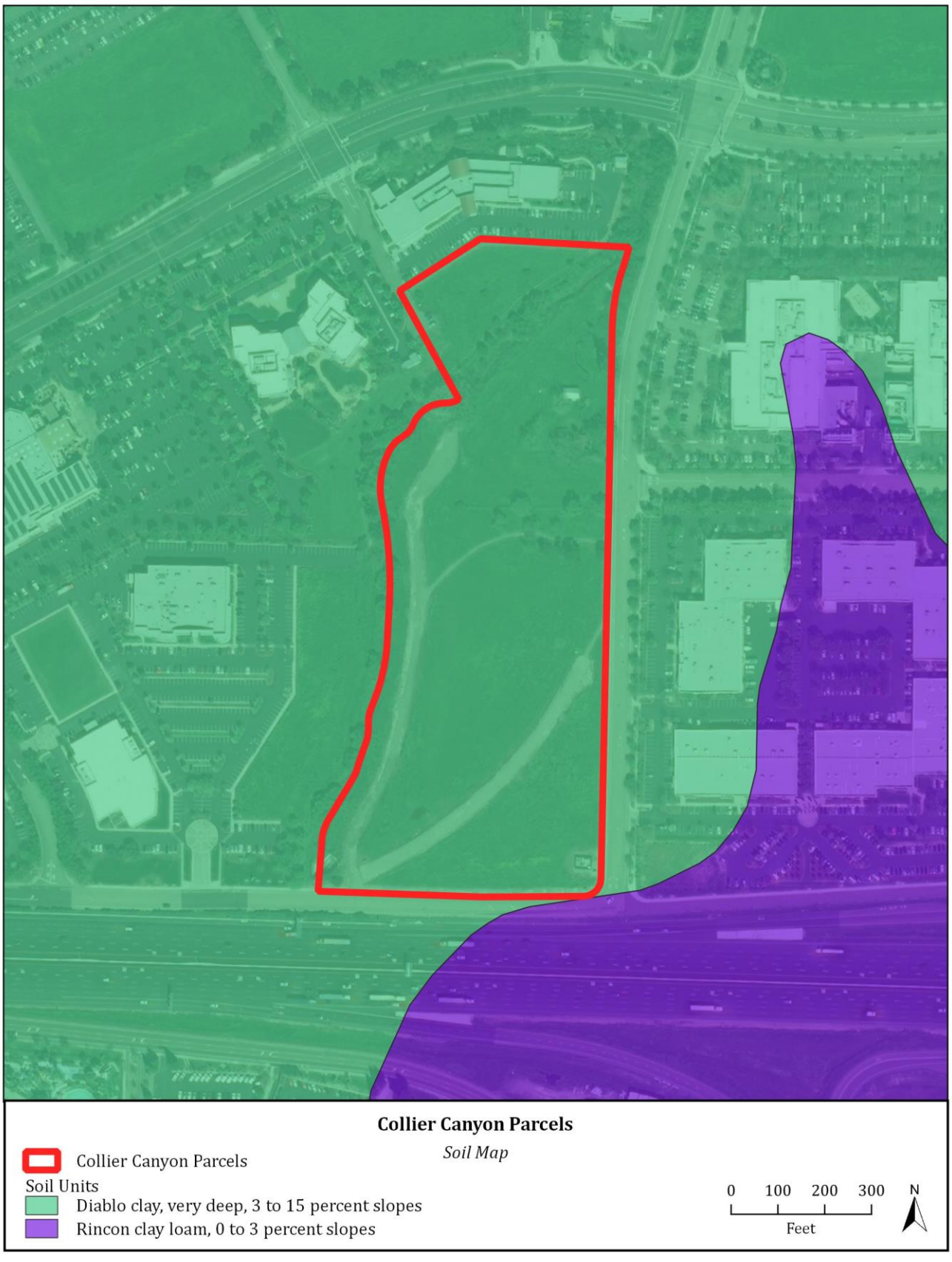
Site and Vicinity Map



JOHNSON MARIGOT CONSULTING, LLC

COLLIER CANYON PARCELS

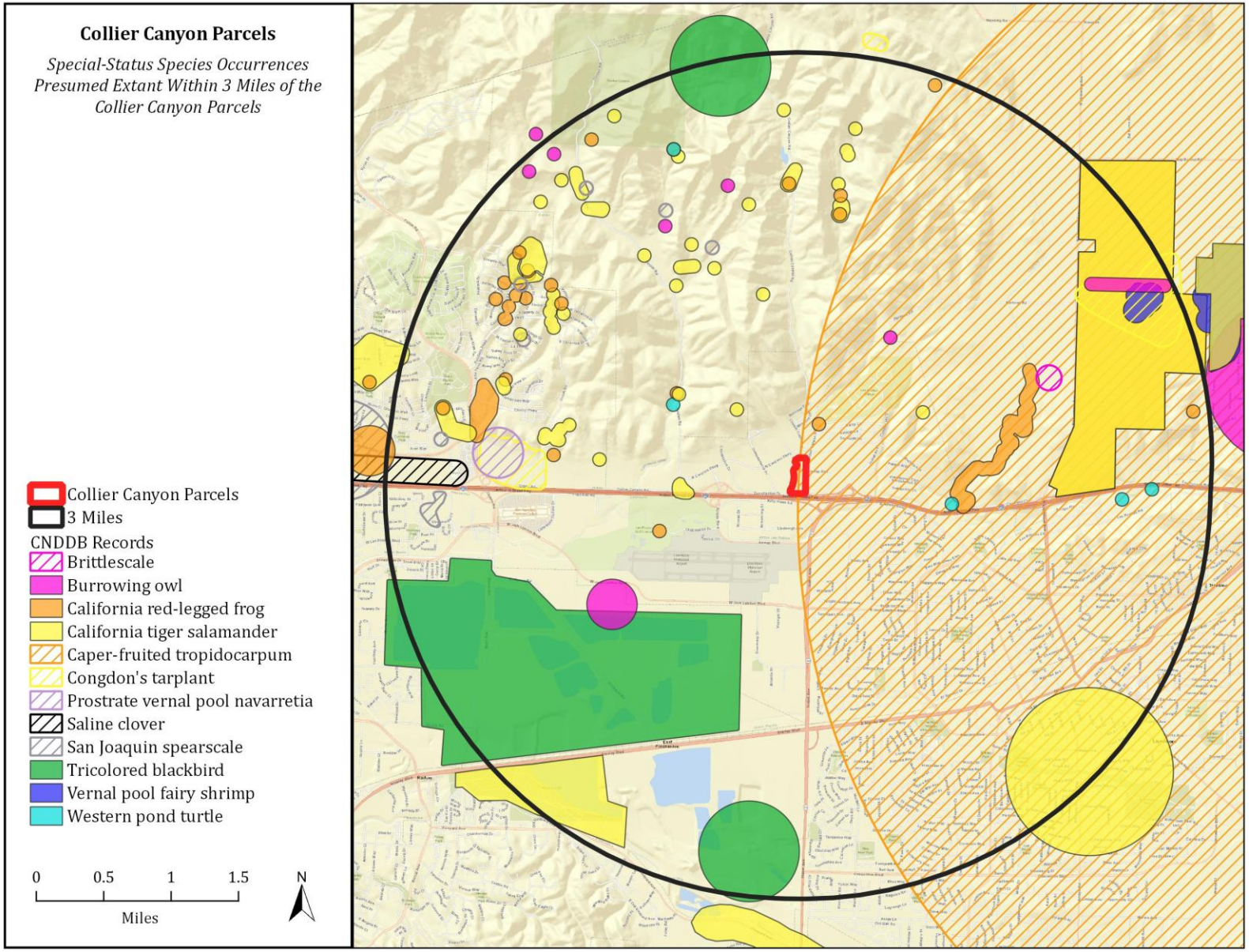
FIGURE #2



JOHNSON MARIGOT CONSULTING, LLC

COLLIER CANYON PARCELS

FIGURE #3



JOHNSON MARIGOT CONSULTING, LLC

COLLIER CANYON PARCELS

FIGURE #4

Tables

Table 1. Plants Observed within the Surveyed Portions of the Collier Canyon Parcels Site

Table 2. Special-Status Plant Species Presumed Extant in the Vicinity of the Collier Canyon Parcels Site

Table 3. Special-Status Wildlife Species Presumed Extant in the Vicinity of the Collier Canyon Parcels Site

Table 1. Plants Observed within the Surveyed Portions of the Collier Canyon Parcels Site

Scientific Name	Common Name
Aesculus californica	Buckeye
Ailanthus altissima	Tree of heaven
Amaranthus albus	Tumbleweed
Artemisia sp.	Ornamental sage
Avena barbata	Slender wild oat
Baccharis pilularis	Coyote brush
Bromus catharticus	Rescue grass
Bolboschoenus sp.	Bulrush
Carpobrotus edulis	Iceplant
Centaurea solstitialis	Yellow starthistle
Cirsium vulgare	Bull thistle
Convolvulus arvensis	Orchard morningglory
Croton setiger	Turkey-mullein
Cynara cardunculus	Cardoon
Distichlis spicata	Salt grass
Dittrichia graveolens	Stinkwort
Elymus triticoides	Beardless wild rye
Epilobium ciliatum	Fringed willowherb
Eucalyptus globulus	Blue gum
Euphorbia maculata	Spotted spurge
Foeniculum vulgare	Fennel
Fraxinus sp.	Ash
Heliotropium europaeum	European heliotrope
Helminthotheca echioides	Bristly ox-tongue
Hirschfeldia incana	Short podded mustard
Hordeum marinum	Seaside barley
Jasminum polyanthum	Pink jasmine
Juglans hindsii	Northern california black walnut
Lactuca serriola	Prickly wild lettuce
Lepidium latifolium	Perennial pepperweed
Malva parviflora	Cheeseweed
Malvella leprosa	Alkali mallow
Phoenix canariensis	Canary island date palm
Pinus radiata	Monterey Pine
Populus fremontii	Fremont cottonwood
Quercus agrifolia	Coast live oak
Rumex crispus	Curly dock
Salix lasiandra	Pacific willow
Salix lasiolepis	Arroyo willow
Schinus molle	Peruvian pepper tree
Silybum marianum	Milk thistle
Tragopogon porrifolius	Purple salsify
Trifolium hirtum	Rose clover

Table 2. Special-Status Plant Species Presumed Extant in the Vicinity of the Vicinity of the Collier Canyon Parcels Site

Common Name	Scientific Name	Status	Habitat Type/Components	Occurrence Information	Probability of Occurring on the Project Site
Brittlescale	***Atriplex depressa***	CNPS Rank 1B.2	Alkaline clays in chenopod scrub, meadows and seeps, playas, valley and foothill grassland, and vernal pools	The closest record for this species is located approximately 1.8 miles east of the site (CNDDB Occurrence No. 65).	**Low.** No species in the Atriplex genus were observed onsite during the November 2019 survey. However, the onsite soils are considered mildly alkaline and could potentially support this species.
Lesser Saltscale	***Atriplex minuscula***	CNPS Rank 1B.1	Alkaline, sandy soils in chenopod scrub, playas, and valley and foothill grassland	CNPS 1 Quad Search	**Low.** No species in the Atriplex genus were observed onsite during the November 2019 survey. However, the onsite soils are considered mildly alkaline and could potentially support this species.
Big-scale Balsamroot	***Balsamorhiza macrolepis***	CNPS Rank: 1B.2	Sometimes serpentine soils in chaparral, cismontane woodland, and valley and foothill grassland	CNPS 1 Quad Search	**Low.** The onsite grassland vegetation community is comprised of species that thrive in disturbed environments. Regardless, the site does provide potentially suitable habitat for this species.
Big Tarplant	***Blepharizonia plumosa***	CNPS Rank 1B.1	Usually clay soils in valley and foothill grassland	Focal Species within the East Alameda County Conservation Strategy	**Low.** The onsite grassland vegetation community is comprised of species that thrive in disturbed environemnts. Regardless, the site does provide potentially suitable habitat for this species.
Congdon's Tarplant	***Centromadia parryi* ssp. *congdonii***	CNPS Rank 1B.1	Alkaline soils in valley and foothill grassland	The closest record for this species is located approximately 1.8 miles west of the site (CNDDB Occurrence No. 11).	**Low.** No tarplant species were observed onsite during the November 2019 survey. However, the onsite soils are considered mildly alkaline and could potentially support this species.
Palmate-bracted Bird's-beak	***Chloropyron palmatum***	Federally Endangered California Endangered CNPS Rank 1B.1	Alkaline soils in chenopod scrub and valley and foothill grassland	CNPS 1 Quad Search	**Low.** The onsite grassland vegetation community is comprised of species that thrive in disturbed environemnts. Regardless, the site does provide potentially suitable habitat for this species.
Livermore Valley tarplant	***Deinandra bacigalupii***	California Endangered CNPS Rank 1B.1	Alkaline meadows and seeps	Focal Species within the East Alameda County Conservation Strategy	**Low.** The onsite grassland vegetation community is comprised of species that thrive in disturbed environments. Regardless, the site does provide potentially suitable habitat for this species.
Recurved Larkspur	***Delphinium recurvatum***	CNPS Rank: 1B.2	Alkaline soils in chenopod scrub, cismontane woodland, and valley and foothill grassland	Focal Species within the East Alameda County Conservation Strategy	**Low.** The onsite grassland vegetation community is comprised of species that thrive in disturbed environments. Regardless, the site does provide potentially suitable habitat for this species.
San Joaquin Spearscale	***Extriplex joaquinana***	CNPS Rank: 1B.2	Alkaline soils in chenopod scrub, meadows and seeps, playas, and valley and foothill grassland	The closest record for this species is located approximately 1.6 miles northwest of the site (CNDDB Occurrence No. 82).	**Low.** No species in the Extriplex genus were observed onsite during the November 2019 survey. However, the onsite soils are considered mildly alkaline and could potentially support this species.

Prostrate Vernal Pool Navarretia	***Navarretia prostrata***	CNPS Rank 1B.1	Mesic soils in coastal scrub, meadows and seeps, valley and foothill grassland, and vernal pools	The closest record for this species is located approximately 2.0 miles west of the site (CNDDB Occurrence No. 61).	**None**. The onsite grassland and riparian habitats do not provide suitable habitat for this species.
Long-styled Sand-spurrey	***Spergularia macrotheca***	CNPS Rank 1B.2	Alkaline soils in meadows and seeps and marshes and swamps	CNPS 1 Quad Search	**None**. The onsite grassland and riparian habitats do not provide suitable habitat for this species.
Saline Clover	***Trifolium hydrophilum***	CNPS Rank 1B.2	Mesic soils in marshes and swamps, valley and foothill grassland, and vernal pools	CNPS 1 Quad Search	**None**. The onsite grassland and riparian habitats do not provide suitable habitat for this species.
Caper-fruited Tropidocarpum	***Tropidocarpum capparideum***	CNPS Rank 1B.1	Alkaline hills within valley and foothill grassland	An historic record (1897) for this species has been documented in the vicinity of the site (CNDDB Occurrence No. 11). Exact location is unknown.	**Low.** The onsite grasslands do not occur hillside, regardless, the site does provide potentially suitable habitat for this species.

Table 3. Special-Status Wildlife Species Presumed Extant in the Vicinity of the Collier Canyon Parcels Site

Common Name	Scientific Name	Status	Habitat Type/Components	Occurrence Information	Probability of Occurring on the Project Site
Alameda Whipsnake	***Masticophis lateralis ssp. euryxanthus***	Federally Threatened State Threatened	Sage scrub, chaparral and open woodlands, as well as herbaceous grasslands	Focal Species within the East Alameda County Conservation Strategy	**None**. The site is isolated from suitable habitat and is not sufficiently close to core scrub/chaparral habitat to be considered potentially suitable habitat.
American Badger	***Taxidea taxus***	California Species of Special Concern	Drier open stages of most shrub, forest, and herbaceous habitats, with friable soils	Focal Species within the East Alameda County Conservation Strategy	**None**. The dense clay soils do not provide suitable burrowing habitat for this species.
Burrowing Owl	***Athene cunicularia***	California Species of Special Concern	Open, dry grassland and desert habitats, and in grass, forb and open shrub habitats	The closest record for this species is located approximately 1.1 miles northeast of the site (CNDDB Occurrence No. 2017).	**Moderate**. While this species was not observed onsite, the site provides suitable habitat for this species, including abundant ground squirrel burrows.
California Red-Legged Frog	***Rana draytonii***	Federally Threatened California Species of Special Concern	Grassland and riparian habitats adjacent to creeks/streams with plunge pools or ponds	The closest record for this species is located approximately 0.2 mile northeast of the site (CNDDB Occurrence No. 281).	**Moderate**. Records for this species occur within Collier Canyon Creek, upstream from the site. The onsite portion of Collier Canyon Creek could be used by this species.
California Tiger Salamander	***Ambystoma californiense***	Federally Threatened California Threatened	Grasslands adjacent to seasonal wetlands and ponds (aquatic breeding habitat)	The closest record for this species is located approximately 0.5 mile northwest of the site (CNDDB Occurrence No. 1166).	**None**. The site is separated fom extant records for this species by significant barriers to dispersal.
Callippe Silverspot Butterfly	***Speyeria c. callippe***	Federally Endangered	Hilly grasslands with host plant *Viola pedunculata*	Focal Species within the East Alameda County Conservation Strategy	**None**. The site does not provide suitable habitat for this species due to the location of the site in the flatlands of Livermore, the disturbed nature of the onsite grassland, and the lack of host plants.
Steelhead - Central California Coast DPS	***Oncorhynchus mykiss***	Federally Threatened	Permanent coastal streams, and/or lagoons below natural and manmade barriers from the Russian River (Sonoma Co.) south to Aptos Creek (Santa Cruz Co.), and the drainages of San Francisco Bay eastward to the Napa River (inclusive), excluding the Sacramento-San Joaquin River Basin	Focal Species within the East Alameda County Conservation Strategy	**None**. Steelhead are not known to occur in Collier Canyon Creek.
Foothill Yellow-legged Frog	***Rana boylii***	California Species of Concern	In or near rocky streams in a variety of habitats	Focal Species within the East Alameda County Conservation Strategy	**None**. The site does not provide suitable habitat for this species (no rocky streams on or near the site).
Golden Eagle	***Aquila chrysaetos***	California Fully Protected	Nests on secluded cliffs with overhanging ledges and in large trees in open areas within rolling foothills, mountain areas, sage-juniper flats, and desert	Focal Species within the East Alameda County Conservation Strategy	**None**. The site is surrounded by development and occurs within an area considered too urbanized to support this species.

San Joaquin Kit Fox	***Vulpes macrotis mutica***	Federally Endangered California Threatened	Regionally known to occur in hillside grazed grassland, pasture, annual grassland and alkali sink scrub	Focal Species within the East Alameda County Conservation Strategy	**None**. The site is isolated from suitable habitat known to support this species and the dense clay soils onsite do not provide suitable burrowing habitat for this species.
Swainson's Hawk	***Buteo swainsoni***	California Threatened	Roosts/nests in large trees within/adjacent to grasslands or suitable grain or alfalfa fields, or livestock pastures (wherein they forage)	This species is known to occur regionally.	**Low.** The site is surrounded by development and does not provide sufficient foraging habitat for this species. Regardless, the onsite trees provide potentially suitable nesting habitat for this species.
Tricolored Blackbird	***Agelaius tricolor***	California Species of Special Concern	Nests in emergent wetland with tall, dense cattails or tules, or thickets of willow, blackberry, or tall herbs.	The closest record for this species is located approximately 1.0 mile southwest of the site (CNDDB Occurrence No. 254).	**None**. The site does not provide suitable habitat for this species (i.e., no emergent wetland).
Vernal Pool Fairy Shrimp	***Branchinecta lynchi***	Federally Threatened	Vernal pools, seasonal wetlands, and stagnant ditches that fill with water during fall/winter rains and dry up in spring/summer	The closest record for this species is located approximately 1.6 mile northeast of the site (CNDDB Occurrence No. 254).	**Low**. A single potential wetland occurs onsite - this feature should be evaluated for jurisdiction and a determination regarding habitat potential for this species should occur.
White-tailed Kite	***Elanus leucurus***	California Fully Protected	Forages in grasslands, nests in proximally located trees with dense canopy	This species is known to occur regionally.	**Low.** The site is surrounded by development and does not provide sufficient foraging habitat for this species. Regardless, the onsite trees provide potentially suitable nesting habitat for this species.
Western Pond Turtle	***Emys marmorata***	California Species of Special Concern	A variety of habitats adjacent to permanent or nearly permanent water.	The closest record for this species is located approximately 1.0 mile norththwest of the site (CNDDB Occurrence No. 254).	**None**. The site does not provide suitable habitat for this species.

APPENDIX C

AQUATIC RESOURCES DELINEATION REPORT

U.S. Army Corps of Engineers
Aquatic Resource Delineation Report

Collier Canyon Parcels Project

Alameda County, California

March 2022

I approve this document to be submitted to the U.S. Army Corps of Engineers, on our behalf, for verification.

_____ _____

Signature Date

Prepared for:

The Pacific Companies

U.S. Army Corps of Engineers
Aquatic Resource Delineation Report

Collier Canyon Parcels Project

Alameda County, California



March 2022

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U.S. Army Corps of Engineers
Aquatic Resource Delineation Report
Collier Canyon Parcels Project

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SECTION 1. Introduction

This report describes the extent and location of potential waters of the United States (U.S.) subject to the U.S. Army Corps of Engineers (USACE) jurisdiction pursuant to Section 404 of the Clean Water Act (CWA) (33 U.S.C. Section 1344), potential waters of the State subject to Regional Water Quality Control Board (RWQCB) jurisdiction pursuant to the Porter-Cologne Water Quality Control Act (Porter-Cologne Act) within the Collier Canyon Parcels Project Study Area (Study Area). This investigation of potentially jurisdictional waters of the U.S. and State follows the methods described in *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States* (USACE 2008a); the *Army Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987), supplemented with guidance as directed by the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0)* (USACE 2008b); and the *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State* (SWRCB 2021). The waters of the U.S. boundaries depicted in this report represent a calculated estimation of the jurisdictional area within the site and are subject to modification following the USACE review process. All provided maps are consistent with the most recent Map and Drawing Standards for the South Pacific Division Regulatory Program.

1.1 Study Area Location

The approximately 15.1-acre site is located in the northwestern corner of Livermore, Alameda County, California (the approximate center of the site is 37.703075°N, 121.807020°W). The Study Area contains multiple parcels including Assessor's Parcel Numbers (APNs) 905-15-8, -25, -26, -27, -28, and -29 (Appendix A: Figures 1 and 2). The Study Area is within the Livermore U.S. Geological Survey (USGS) 7.5-minute quadrangle. The Study Area is located immediately northwest of the intersection of Collier Canyon Road and Constitution Drive. The Study Area is bound to the south by Constitution Drive, to the east by Collier Canyon Road, to the west by Collier Canyon Creek, and to the north and northwest by Alameda County Flood Control and Water Conservation District (Zone 7) and Cornerstone Church campuses.

1.2 Watershed

The Study Area is located in the southwestern portion of the Arroyo Las Positas watershed, an 81 square mile sub-watershed of the 660 square mile Alameda Creek Watershed. The Study Area is within the 12-digit Hydrologic Unit Code (HUC): 180500040203 (Appendix A: Figure 3). Segments of Collier Canyon Creek flow through the Study Area; this creek connects through engineered waterways to the Arroyo Las Positas approximately 0.4 miles to the south. The flow of water continues from Arroyo Las Positas to Arroyo Mocho, Arroyo de la Laguna, Alameda Creek and ultimately to San Francisco Bay.

Onsite waters drain to Collier Canyon Creek which runs along the western site boundary. Collier Canyon Creek, in turn, flows into a concrete-lined canal (located at the southwestern corner of the site) that acts as the confluence for waters transported via two 72-inch culverts that run below-ground along the western portion of the site, as well as a 24-inch culvert that transports flows that run below-ground along the southern portion of the site. These combined waters then flow offsite through two box culverts that flow southerly underneath Constitution Drive and Interstate 680.

1.3 Climate

According to the Köppen climate classification system, the Study Area has a Mediterranean climate, characterized by hot, dry summers and mild, moist winters. The Study Area generally experiences precipitation between mid-October and mid-April. A climate summary for the Livermore Municipal Airport weather station, reports the following precipitation and temperature information (Western Regional Climate Center 2022) from the years 1991-2020:

- Average annual rainfall is 15.18 inches
- Average annual maximum temperature is 72.7 degrees Fahrenheit (°F)
- Average annual minimum temperature is 47.0 °F

The maximum average monthly temperature reported for the Study Area was 87.7 °F in July, and the minimum average monthly temperature was 37.5 °F in December. The wettest month of the year is February with an average rainfall of 2.92 inches, and the driest month is July with average rainfall of 0.00 inches.

1.4 Surrounding Land Use

The primary land uses immediately surrounding the Study Area include public roadways (including Highway 580 immediately south of Constitution Drive and city streets) and commercial development. Commercial development of adjacent parcels includes office buildings, a research facility, and church complex. The majority of the developed portion of the City of Livermore lies to the south of the Study Area. Undeveloped and agricultural land occurs approximately 0.5 mile north of the Study Area.

1.5 Topography

The Study Area is located immediately below the foothills of the northern extent of the Diablo Range, between Mount Diablo and Mount Boardman. Overall, the site is relatively flat, occurring on a gentle southwestern-facing slope, with elevations ranging from approximately 435 feet above mean sea level (AMSL) at the northern boundary to approximately 415 feet AMSL at the southwestern corner.

1.6 Existing Site Conditions

A majority of the site is disturbed due to its open access to the public via the "prayer walk" as well as its location immediately adjacent to the moderately trafficked Collier Canyon Road and Constitution Drive, as well as the heavily trafficked Interstate 580. This ruderal area is dominated by species that colonize and thrive in disturbed areas, collectively referred to as ruderal species. These species may be native or non-native, but are often thought of as "weedy" species. The ruderal areas are sparely vegetated, with existing vegetation dominated by non-native herbaceous species such as stinkwort (*Dittrichia graveolens*), short podded mustard (*Hirschfeldia incana*), and prickly wild lettuce (*Lactuca serriola*), and rose clover (*Trifolium hirtum*), with lesser dominants including slender wild oat *(Avena barbata*) and alkali mallow (*Malvella leprosa*).

A trail ("prayer walk") winds through much of the southern portion of the site. The trail consists of an asphalt road (former alignment of Collier Canyon Road), a gravel road (occurring over the right-of-way for the undergrounded stormwater system along the western length of the site), and a minimally upkept dirt path. The trail is largely denuded, with scattered stinkwort growing through cracks in the hardscape. In addition, the concrete-lined canal that occurs at the southwestern corner of the site, the fenced off electrical enclosure that occurs at the southeastern corner of the site, and the areas immediately adjacent to the southern sidewalk and the northern parking lot are all comprised of hardscape (concrete and gravel), supporting little to no vegetation.

Collier Canyon Creek transects the northern portion of the site and defines the western boundary of the site. The vegetation community surrounding and reliant on this creek is referred to as "riparian". The riparian corridor is primarily dominated by a dense canopy cover comprised of willow (*Salix lasiandra* and *S. lasiolepis*), coast live oak (*Quercus agrifolia*), Fremont cottonwood (*Populus fremontii*), and black walnut (*Juglans hindsii*). Breaks in the canopy are scattered along the length of the corridor, with understory plants such as beardless wildrye (*Elymus triticoides*), fennel (*Foeniculum vulgare*), and coyote brush (*Baccharis pilularis*) dominating the openings. The northern portion of the riparian canopy is fenced on both sides.

1.7 Soils

According to the Natural Resource Conservation Service, a single soil unit, or type, has been mapped within the site (NRCS 2022): Diablo clay, very deep, 3 to 15 percent slopes. Diablo clay, very deep, 3 to 15 percent slopes (Appendix A: Figure 3) is a well-drained soil derived from shale and siltstone alluvium and is found in large bodies on hillsides. This clayey to silty-clay soil has a slow permeability and a high runoff class, resulting in a slight to moderate erosion hazard. Available water holding capacity is high; the water table generally occurs

more than 6.5 feet below the surface. This soil type is not known to flood or pond. Diablo clay, very deep, 3 to 15 percent slopes is on the California Hydric Soils List. The onsite soils exhibited deep fissures and cracking during the November 22, 2019 site visit.1.8 Hydrology

The Study Area primarily derives its hydrology from direct precipitation, however, some portions of the site occur within the active floodplain of Collier Canyon Creek.

SECTION 2. Regulatory Setting

2.1 Waters of the United States

Waters of the United States are regulated by USACE and the RWQCB in accordance with Section 404 and 401 the Clean Water Act, respectively. The scope of federally jurisdictional "waters of the United States" has been the subject of significant litigation and regulatory revisions and is subject to an ongoing federal rulemaking. (*See* "Revised Definition of 'Waters of the United States,' 86 Fed. Reg. 69372 (Dec. 7, 2021)). At present, pursuant to federal district court order, the Corps is enforcing the "pre-2015" version of the federal jurisdictional definition.

Under the pre-2015 rules, pursuant to 33 C.F.R. § 328.3(a) [51 F.R. 41250, November 13, 1986], the term "waters of the United States" means:

(1) All water which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
(2) All interstate waters including interstate wetlands;
(3) All other waters such as interstate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
    i. Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
    ii. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
    iii. Which are used or could be used for industrial purpose by industries in interstate commerce;
(4) All impoundments of waters otherwise defined as waters of the United States under the definition;
(5) Tributaries of waters identified in paragraphs (a)(1)-(4) of this section;
(6) The territorial seas; and
(7) Wetlands adjacent to waters (other than water that are themselves wetlands) identified in paragraphs (a)(1)-(6) of this section.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirement of CWA (other than cooling ponds defined in 40 CFR 123.11(m) which also meet the criteria of this definition) are not waters of the United States.

Wetlands are defined as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" [33 C.F.R. § 328.3(b), 51 F.R. 41251, November 13, 1986]. Wetlands can be perennial or intermittent and isolated or adjacent to other waters. Adjacent means "bordering, contiguous, or neighboring," and "wetlands separated from other waters of the United States by man-made dikes or barriers, natural river berms, beach dunes and the like are 'adjacent wetlands'" [33 C.F.R. § 328.3(c), 51 F.R. 41251, November 13, 1986]. Methods to determine the presence of wetlands are outlined below in Section 3.1.

The limit of USACE jurisdiction for non-tidal watercourses (without adjacent wetlands) is defined in 33 C.F.R. § 328.4(c)(1) as the "ordinary high water mark" (OHWM). The OHWM is defined as the "line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas" [33 C.F.R. § 328.3(e), 51 F.R. 41251, November 13, 1986]. The bank-to-bank extent of the channel that contains the water-flow during a normal rainfall year generally serves as a good first approximation of the lateral limit of USACE jurisdiction. The upstream limits of other waters are defined as the point where the OHWM is no longer perceptible.

Waters of the United States do not include waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the Clean Water Act [33 C.F.R. § 328.3(a), 51 F.R. 41250, November 13, 1986]. Additionally, waters of the U.S. generally do not include non-tidal drainage and irrigation ditches excavated on dry land; artificially irrigated areas which would revert to upland if the irrigation ceased; artificial lakes or ponds created by excavating and/or diking dry land to collect and retain water and which are used exclusively for such purposes as stock watering, irrigation, settling basins, or rice growing; artificial reflecting or swimming pools or other small ornamental bodies of water created by excavating and/or diking dry land to retain water for primarily aesthetic reasons: and waterfilled depressions created in dry land incidental to construction activity and pits excavated in dry land for the purpose of obtaining fill, sand, or gravel unless and until the construction or excavation operation is abandoned and the resulting body of water meets the definition of waters of the U.S. [51 F.R. 41217, November 13, 1986].

2.1.1 *Rapanos v. United States* and *Carabell v. United States*

As stated in Section 2.1, pursuant to 33 C.F.R. § 328.3(a) [51 F.R. 41250, November 13, 1986], waters of the United States include tributaries to and wetlands adjacent to waters identified as waters of the United States. The Supreme Court's decision in the consolidated cases *Rapanos v. United States* and *Carabell v. United States*, 126 S. Ct. 2208 (2006) (referred to as

"Rapanos") addressed which aquatic features qualify as tributaries and adjacent wetlands under the Clean Water Act. The separate opinion of Justice Kennedy in *Rapanos*, which is treated by federal courts as controlling law in California, concluded that adjacent wetlands are "waters of the United States" "if the wetlands, either alone or in combination with similarly situated lands in the region, significantly affect the chemical, physical, and biological integrity of other covered waters more readily understood as 'navigable.' When, in contrast, wetlands' effects on water quality are speculative or insubstantial, they fall outside the zone fairly encompassed by the statutory term 'navigable waters.' More generally, under the test articulated by Justice Kennedy in *Rapanos*, the key question under Section 404 is whether a waterbody has a "significant nexus" to currently or conceivably navigable waters. This fact-based inquiry requires a determination, based on consideration of hydrologic and ecological factors, of whether the waterbody may "significantly affect the chemical, physical and biological integrity of other covered waters more readily understood as 'navigable'."

In 2008, USACE and the U.S. Environmental Protection Agency (EPA) provided guidance on implementing the Rapanos decision, identifying the criteria to be considered when determining jurisdictional status and those wetlands and other waters over which the agencies will assert jurisdiction categorically versus on a case-by-case basis. The 2008 USACE guidance is nonbinding and calls for a fact-specific analysis as to whether there is a "significant nexus" between a feature and navigable waters in cases where the feature is not categorically considered a water of the U.S. Key points of the guidance document are summarized as follows:

> The federal agencies will assert jurisdiction over the following waters:
>
> - Traditional navigable waters
> - Wetlands adjacent to traditional navigable waters
> - Non-navigable tributaries of traditional navigable waters that are relatively permanent where the tributaries typically flow year-round or have continuous flow at least seasonally (e.g., typically three months)
> - Wetlands that directly abut such tributaries
>
> The federal agencies will decide jurisdiction over the following waters based on a fact-specific analysis to determine whether they have a significant nexus with a traditional navigable water:
>
> - Non-navigable tributaries that are not relatively permanent
> - Wetlands adjacent to non-navigable tributaries that are not relatively permanent

- Wetlands adjacent to but that do not directly abut a relatively permanent non-navigable tributary.

The federal agencies generally will not assert jurisdiction over the following features:

- Swales or erosional features (e.g., gullies, small washes characterized by low volume, infrequent, or short duration flow)
- Ditches (including roadside ditches) excavated wholly in and draining only uplands and that do not carry a relatively permanent flow of water

The agencies will apply the significant nexus standard as follows:

- A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by all wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical and biological integrity of downstream traditional navigable waters
- Significant nexus includes consideration of hydrologic and ecologic factors

2.1.2 Wetland Determinations

Consistent with the Corps' 1987 Wetland Delineation Manual (Environmental Laboratory 1987) and its 2008 Arid West Regional Supplement (USACE 2008b) to be determined a wetland, the following three parameters must be met if normal circumstances are present:

1. a majority of dominant vegetation species are wetland associated species;
2. hydrologic conditions exist that result in periods of flooding, ponding, or saturation during the growing season; and
3. hydric soils are present.

The criteria necessary to meet these three wetland parameters is outlined below.

Vegetation

Hydrophytic vegetation is defined as "the sum total of macrophytic plant life that occurs in areas where the frequency and duration of inundation or soil saturation produce permanent or periodically saturated soils of sufficient duration to exert a controlling influence on the plant species present" (Environmental Laboratory 1987). The USACE definition of wetlands includes "a prevalence of vegetation typically adapted for life in saturated soil conditions," with prevalence determined by the dominant plant species comprising the plant community (op. cit.).

The "50/20 rule" is used to determine dominant plant species at each sample point location. The rule states that for each stratum in the plant community, dominant species are the most abundant plant species (when ranked in descending order of abundance and cumulatively totaled) that immediately exceed 50 percent of the total dominance measure for the stratum, plus any additional species that individually comprise 20 percent or more of the total dominance measure for the stratum (HQUSACE 1992). Dominant plant species observed at each sample point are classified according to their indicator status (probability of occurrence in wetlands) (Table 1). If the majority (greater than 50 percent) of the dominant vegetation on a site is classified as obligate (OBL), facultative wetland (FACW), or facultative (FAC), then the site is considered to be dominated by hydrophytic vegetation.

Table 1. Classification of Wetland-Associated Plant Species

Plant Species Classification	Abbreviation	Probability of Occurring in Wetland
Obligate	OBL	Almost always occur in wetlands.
Facultative Wetland	FACW	Usually occur in wetlands, but may occur in non-wetlands.
Facultative	FAC	Occur in wetlands and non-wetlands.
Facultative Upland	FACU	Usually occur in non-wetlands, but may occur in wetlands.
Upland	UPL	Almost never occur in wetlands.
Plants That Are Not Listed	NL (UPL)	Assumed upland species.

Hydrology

Wetlands, by definition, are seasonally inundated or saturated at or near (within 12 inches of) the soil surface. To be classified as a wetland, a site should have at least one primary indicator or two secondary indicators of wetland hydrology. Primary indicators of wetland hydrology may include but are not limited to: oxidized root channels in the upper 12 inches, water-stained leaves, and local soil survey data. In addition to the primary indicators, there are a variety of secondary wetland hydrology indicators. Secondary indicators include, but are not limited to: water marks, drift lines, sediment deposition, drainage patterns, visual observation of saturated soils, and visual observation of inundation. When no primary indicators of wetland hydrology are observed at a sample point, two or more secondary indicators are required to confirm wetland hydrology.

Soils

A hydric soil is defined as a soil that is formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (NRCS 2003). Indicators that a hydric soil is present include soil color (gleyed soils and soils with bright mottles and/or low matrix chroma), aquic or preaquic moisture regime, reducing soil conditions, sulfidic material (odor), soils listed on hydric soils list, iron and manganese concretions, organic soils (Histosols), histic epipedon, high organic content in surface layer in sandy soils, and organic streaking in sandy soils. A soil pit is excavated to the depth of refusal at each sample point. The soil is then examined for hydric soil indicators. The matrix color and mottle color (if present) of the soil are determined using the Munsell Soil Color Charts.

2.2 Waters of the State

The RWQCB also is authorized under Section 13263 of the Porter-Cologne Act to regulate discharges to waters of the State through issuance of permits referred to as waste discharge requirements (WDRs). In Section 13050(e), the act defines waters of the State to mean any surface water or groundwater, including saline waters, within the boundaries of California. This definition may include wetlands and drainages that are outside federal jurisdiction.

The State Water Resources Control Board (SWRCB) further clarified the definition of wetlands that qualify as waters of the State through adoption of the *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State* (Procedures) (SWRCB 2021). Under the Procedures, the State defines wetlands as follows:

> "An area is wetland if, under normal circumstances, (1) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both; (2) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and (3) the area's vegetation is dominated by hydrophytes or the area lacks vegetation."

The Procedures further state that waters of the State include all waters of the U.S., including all "features that are consistent with any current or historic final judicial interpretation of 'waters of the U.S.' or any current or historic federal regulation defining 'waters of the U.S.' under the Clean Water Act." USACE wetland delineation procedures are to be used to identify State-regulated wetlands, and the following wetland types are waters of the State:

1. natural wetland;
2. wetlands created by modification of a surface water of the State; and
3. artificial wetlands that meet certain criteria.

2.3 CDFW Jurisdiction

The CDFW also regulates diversions and obstructions of the natural flows, and material changes or uses of the beds, channels, or banks, of rivers, streams, and lakes under Section 1602 of California Fish and Game Code (CFGC). The term stream, which includes creeks and rivers, is defined in Title 14, California Code of Regulations (CCR), Section 1.72 as follows: "A stream is a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life. This includes watercourses having a surface or subsurface flow that supports or has supported riparian vegetation." Per Section 1.56, the term lake "includes natural lakes or man-made reservoirs."

Per *A Field Guide to Lake and Streambed Alteration Agreements: Section 1600-1607 California Fish and Game Code* (Field Guide; California Department of Fish and Game (CDFG) 1994), this definition is not complete with respect to Sections 1601 or 1603 because it does not define the terms bed, channel or bank and does not define stream related features such as aquatic life, riparian vegetation, etc. The Field Guide clarifies this definition as follows.

1. The term stream can include intermittent and ephemeral streams, rivers, creeks, dry washes, sloughs, blue-line streams (USGS Maps), and watercourses with subsurface flow. Canals, aqueducts, irrigation ditches, and other means of water conveyance can also be considered streams if they support aquatic life, riparian vegetation, or stream-dependent wildlife.
2. Biologic components of a stream may include aquatic and riparian vegetation.
3. A stream not only includes water (at least on an intermittent or ephemeral basis), but also a bed, bank, and/or levee.
4. The lateral extent of a stream can be measured in ways depending on a particular situation and the type of fish or wildlife resources at risk. The following criteria are applicable to the proposed project.
    a. The outer edge of riparian vegetation is generally used as the line of demarcation between riparian and upland habitats and is therefore a reasonable and identifiable boundary for the lateral extent of a stream.
    b. Most streams have a natural bank which confines flows to the bed or channel except during flooding. In some instances, particularly on smaller streams or dry washes with little or no riparian habitat, the bank should be used to mark the lateral extent of a stream.
    c. A levee or other artificial stream bank could be used to mark the lateral extent of a stream. However, in many instances, there can be extensive areas of valuable riparian habitat located behind a levee (CDFG 1994).

SECTION 3. Methods

Aquatic features in the Study Area were mapped using data derived from field surveys. Field surveys were conducted on January 25, 2022, by Sadie McGarvey and Haley Henderson of Johnson Marigot Consulting, LLC (JMC). The boundaries of potential waters of the U.S./State and sample point locations were mapped using a Juniper Systems Geode Global Navigation Satellite System (GNSS) with sub-meter accuracy using standard field methodologies (i.e., paired data set analyses). All wetland data was recorded on Arid West Routine Wetland Determination Data Forms (Appendix B). The shapefiles obtained from the mapping effort were projected onto an aerial map using QGIS, Version 3.22.1 (see Appendix A: Figure 4). Munsell Soil Color Charts (Kollmorgen Instruments Co. 1990) were used to aid in identifying hydric soils in the field. The Jepson eFlora (Jepson Flora Project 2022) was used for plant nomenclature and identification. Plant wetland indicator status was provided by The National Wetland Plant List 2018 wetland ratings (USACE 2018). Representative photographs of the project site are provided in Appendix C.

SECTION 4. Results

A total of 513 linear feet (LF) of the Collier Canyon Creek occurs within the Study Area, including three in-channel wetlands totaling approximately 0.18 acre. In addition, approximately 1.02 acres of CDFW-regulated riparian zone associated with both onsite and offsite portions of Collier Canyon Creek occurs within the Study Area (Table 2). Delineation maps and riparian maps are provided in Appendix A, Figures 4 and 5 respectively. Representative photographs of the Study Area are included in Appendix C. A discussion of aquatic features in the Study Area is provided below.

Table 2. Potentially Jurisdictional Waters and Riparian Zones*

Feature Type	Acreage	Linear Feet	USACE Jurisdiction	RWQCB Jurisdiction	CDFW Jurisdiction
Potential Waters of the U.S. and State					
Streams	**--**	**513**	**X**	**X**	**X**
In-Channel Wetlands	**0.18**	**--**	**X**	**X**	**X**
W1	0.08	--	X	X	X
W2	0.06	--	X	X	X
W3	0.04	--	X	X	X
CDFW Jurisdiction					
Riparian Zones	1.02	1,560			X

*The regulatory agencies have final say over which aquatic features they consider jurisdictional.

4.1 Intermittent Stream

Collier Canyon Creek traverses the northern portion of the Study Area, flowing northeast to southwest, then turns southerly, roughly defining the western boundary of the Study Area. The ordinary high-water mark (OHWM) within the onsite portion of Collier Canyon Creek ranges between 1 and 6 feet wide, and 4 and 8 inches deep. The channel bed substrate is generally sandy/gravelly. The streambanks are densely vegetated with ruderal species from the adjacent uplands.

4.2 In-Channel Wetlands

Three locations within the Collier Canyon Creek streambed are dominated by dense wetland vegetation, primarily bulrush (*Schoenoplectus* sp.). One wetland is transected by the approximately 1-foot-wide and 4-inch-deep low-flow channel of Collier Canyon Creek (W1). Immediately upstream from the remaining wetlands (W2 and W3), the low flow channel flattens out (with no defined thalweg) and water flows across these in-channel wetlands before reentering the low-flow channel between 25 and 85 feet downstream.

4.3 Riparian Zones

The Study Area contains approximately 1.02 acres of riparian habitat along Collier Canyon Creek. Canopy cover ranges between 80% and 100% along much of the 1,560 LF stretch of riparian zone occurring onsite, with several non-contiguous stretches exhibiting 0% canopy cover. The edge of the riparian corridor was delineated at the TOB of Collier Canyon Creek and/or the edge of overlapping canopy cover - whichever is greater. The riparian corridor extended as much as 70 feet from the OHWM of Collier Canyon Creek.

SECTION 5. Conclusion

A total of 513 LF and 0.18 acre of potential wetland and non-wetland waters of the U.S. and State are present in the Study Area, as well as 1.02 acres of CDFW-regulated riparian zones. All delineated wetland and non-wetland waters are assumed to be subject to USACE and RWQCB jurisdiction for the purposes of the Collier Canyon Parcels Project, and all delineated streams, wetlands, and riparian zones are assumed to be subject to CDFW jurisdiction. These conclusions are subject to modification following USACE's PJD process and review by State agencies.

SECTION 6. References

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https://www.epa.gov/sites/default/files/2016-02/documents/cwa_jurisdiction_following_rapanos120208.pdf.

Western Regional Climate Center. 2021. Cooperative Climatological Data Summaries. Accessed November 2021. Available from: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5853.

APPENDICIES

Appendix A. Figures
Appendix B. Arid West Wetland Determination Data Forms
Appendix C. Representative Site Photographs

APPENDIX A. Figures

Figure 1. Site and Vicinity Map
Figure 2. USGS Topographic Map
Figure 3. Hydrologic Unit Code (HUC) Map
Figure 4. Delineation Map
Figure 5. Riparian Map

Figure 1. Site and Vicinity Map



Figure 2. USGS Topographic Map

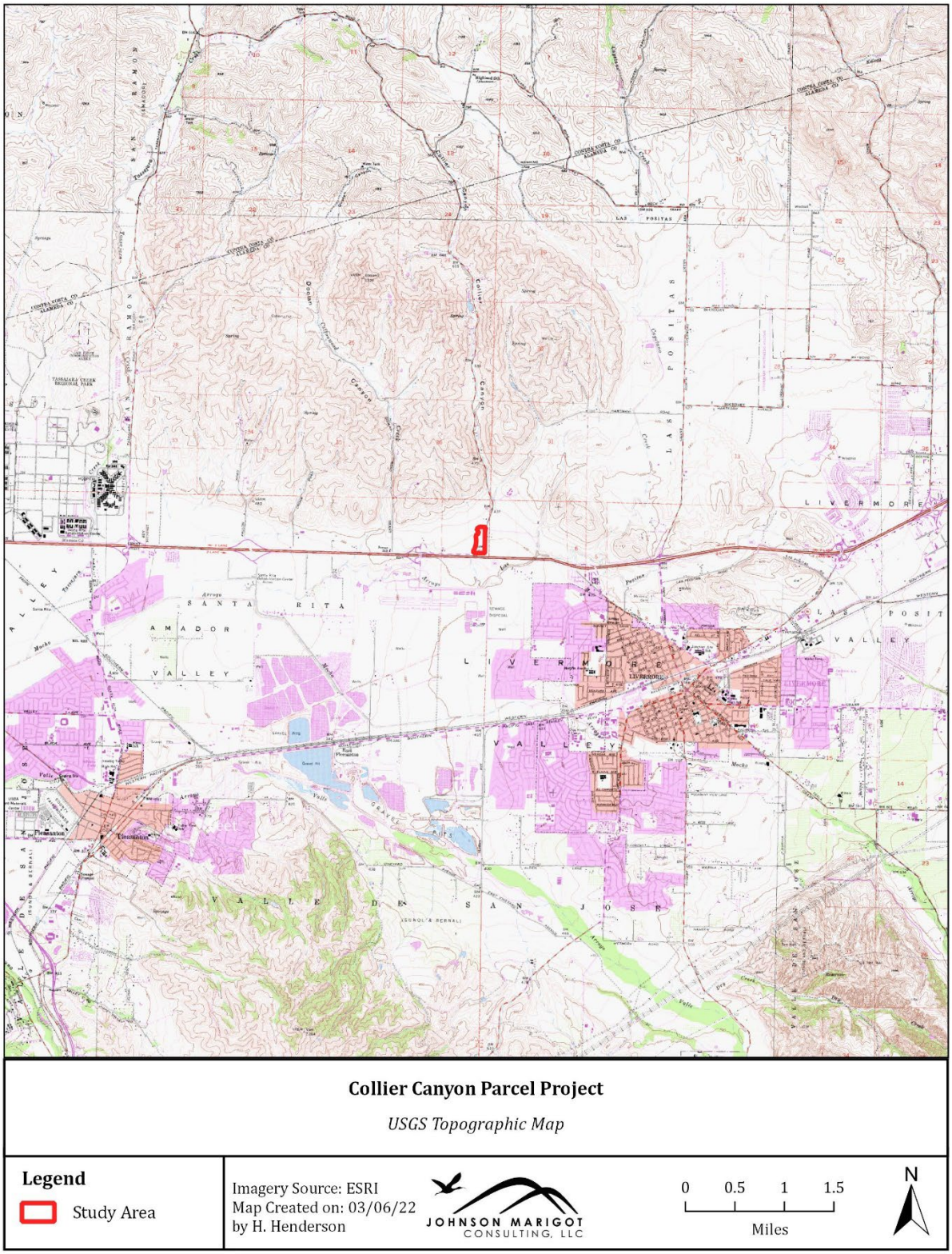


Figure 3. Hydrologic Unit Code (HUC) Map

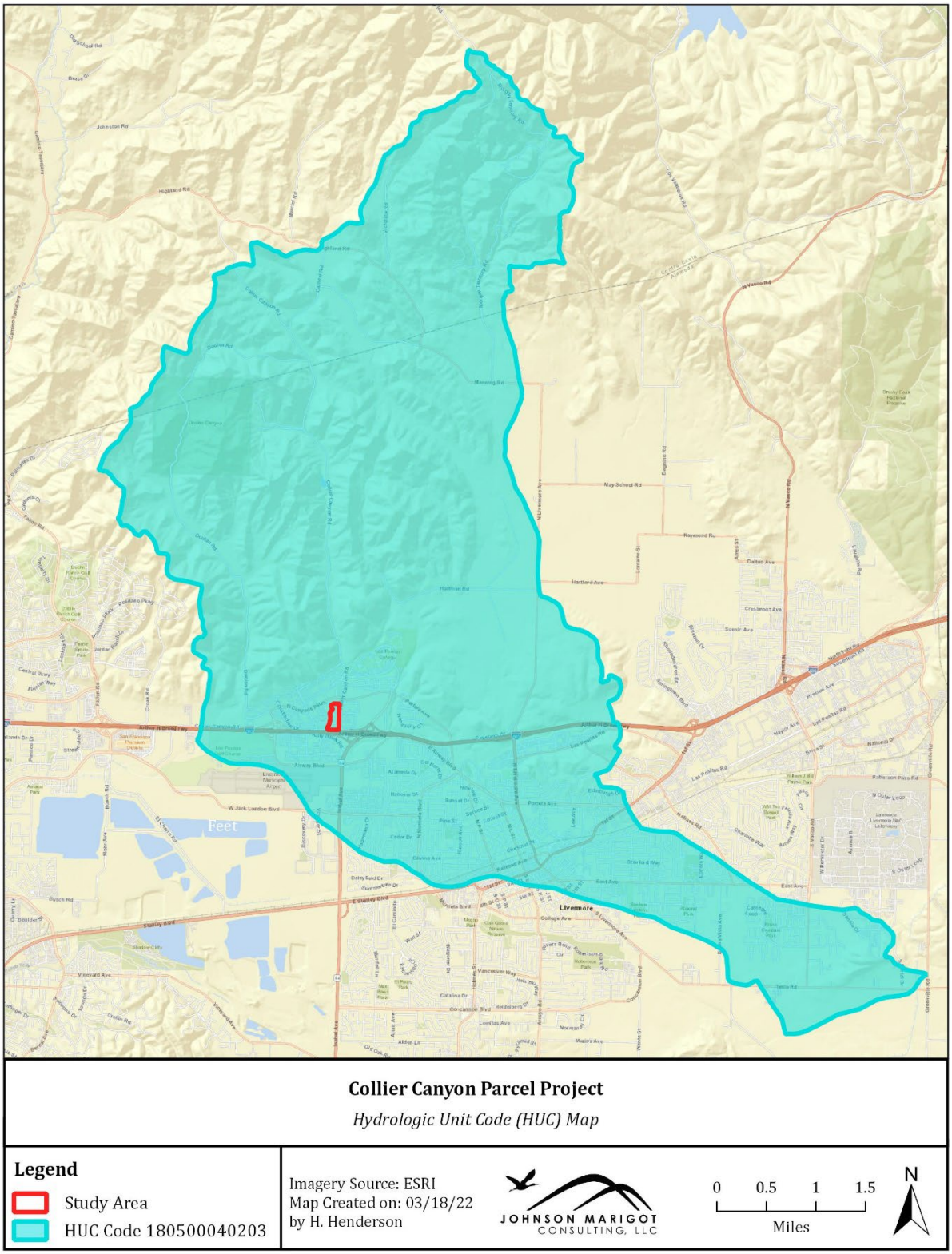
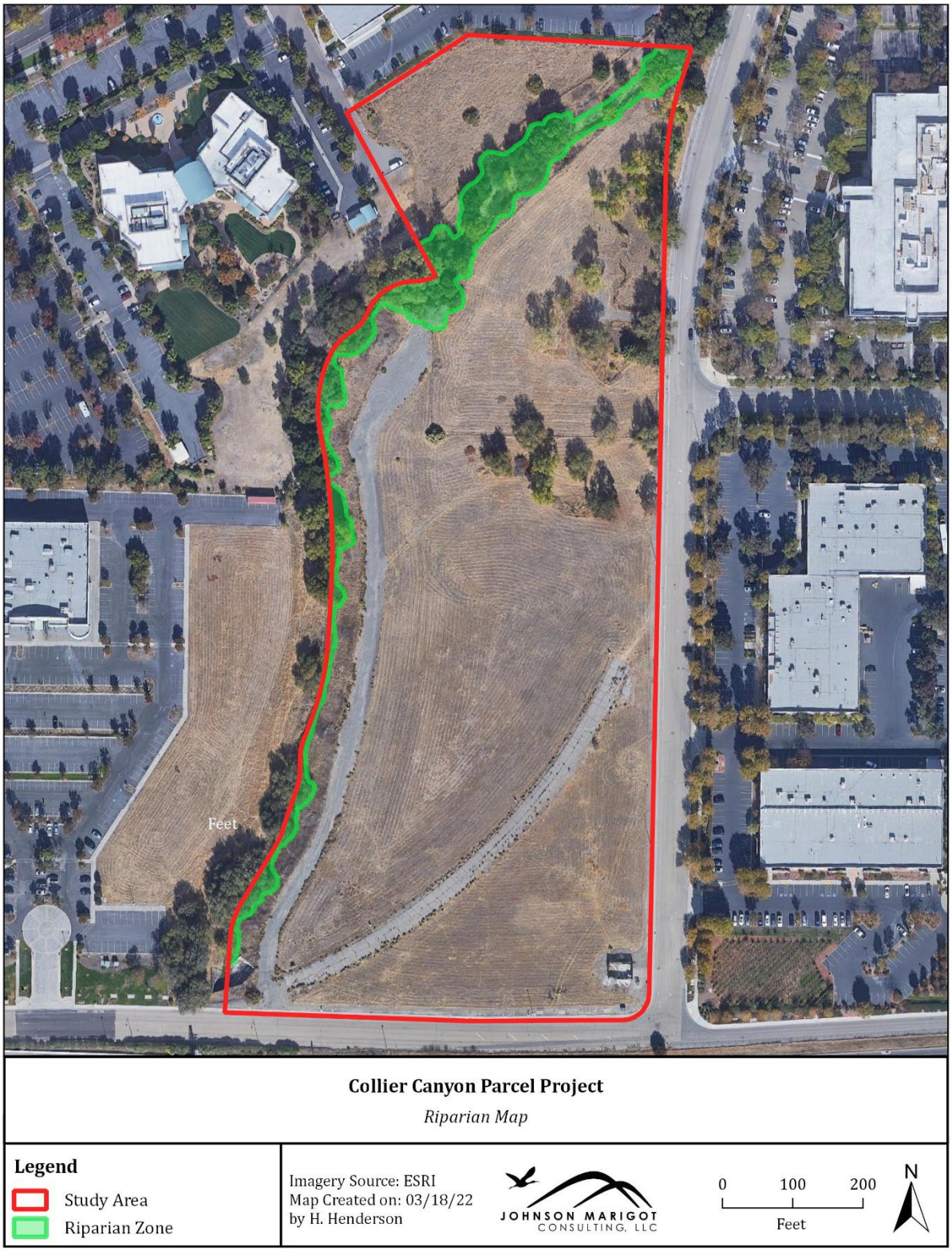


Figure 4. Delineation Map



Figure 5. Riparian Map



APPENDIX B. Arid West Wetland Determination Data Forms

EXHIBIT B

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Collier Canyon Parcels City/County: Livermore, Alameda Sampling Date: 1/25/22

Applicant/Owner: The Pacific Companies State: CA Sampling Point: 1

Investigator(s): Sadie McGarvey and Haley Henderson Section, Township, Range: S1 T3S R1E

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): none Slope (%): 0

Subregion (LRR): Central California Coastal Valleys Lat: 37.70398800 Long: -121.80640900 Datum: NAVD88

Soil Map Unit Name: Diablo clay, very deep, 3 to 15 percent slopes NWI classification: Hydric

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Avena barbata	30	X	NL
2. Carduus pycnocephalus	25	X	NL
3. Geranium dissectum	5		NL
4. Epilobium ciliatum	10		FACW
5.			
6.			
7.			
8.			
	70 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 30 % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

EXHIBIT B

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-12	10yr3/2	100					clay loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

EXHIBIT B

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Collier Canyon Parcels City/County: Livermore, Alameda Sampling Date: 1/25/22

Applicant/Owner: The Pacific Companies State: CA Sampling Point: 2

Investigator(s): Sadie McGarvey and Haley Henderson Section, Township, Range: S1 T3S R1E

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): none Slope (%): 0

Subregion (LRR): Central California Coastal Valleys Lat: 37.70180200 Long: -121.80633250 Datum: NAVD88

Soil Map Unit Name: Diablo clay, very deep, 3 to 15 percent slopes NWI classification: Hydric

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Avena barbata	65	X	NL
2. Medicago polymorpha	25	X	FACU
3. Sinapis arvensis	10		NL
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

EXHIBIT B

SOIL

Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-12	10yr3/2	100					gravely l	soil mixing

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

EXHIBIT B

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Collier Canyon Parcels City/County: Livermore, Alameda Sampling Date: 1/25/22

Applicant/Owner: The Pacific Companies State: CA Sampling Point: 3

Investigator(s): Sadie McGarvey and Haley Henderson Section, Township, Range: S1 T3S R1E

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): none Slope (%): 0

Subregion (LRR): Central California Coastal Valleys Lat: 37.70181900 Long: -121.80754825 Datum: NAVD88

Soil Map Unit Name: Diablo clay, very deep, 3 to 15 percent slopes NWI classification: Hydric

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Hordeum marinum	100	X	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

✓ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

EXHIBIT B

SOIL

Sampling Point: 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-6	10yr3/2	100					clay loam	50%+ pea gravel
6-8	10yr3/2	100					clay loam	30% bigger gravel
8-12	10yr3/2	100					clay loam	minimal gravel

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

APPENDIX C. Representative Site Photographs



Photograph 1. Representative photo of the Study Area, looking north-northwest from the southern extent of the trail.



Photograph 2. Representative photo of the Study Area, looking south from the center of the site.



Photograph 3. Representative photo of the generally densely vegetated banks of Collier Canyon Creek.



Photograph 4. Representative photo of in-channel wetland

APPENDIX D

FEASIBILITY EVALUATION AND PRELIMINARY GEOTECHNICAL RECOMMENDATIONS

Date:	October 25, 2022
Project No.:	209-2-1
Prepared For:	Mr. Don Slattery **THE PACIFIC COMPANIES** 348 North Canyon Parkway Livermore, California 94551
Re:	Feasibility Evaluation and Preliminary Geotechnical Recommendations Cornerstone Church and Chu Properties Livermore, California

Dear Mr. Slattery:

This letter provides the results of our geotechnical feasibility evaluation and updated preliminary recommendations for the project referenced above. For our use, we have been provided a copy of the Preliminary Site Plan prepared by CBG Civil Engineers, dated January 17, 2022.

Findings and recommendations provided herein are intended for preliminary project planning purposes only and are not intended to be used in final design or construction.

Project Understanding

GENERAL

As referenced in this letter, we understand this geotechnical evaluation is intended to provide feasibility-level recommendations for your planning purposes. This feasibility evaluation is provided to help determine potential design constrains for your forward planning and entitlement.

BRIEF PROJECT DESCRIPTION

Based on the conceptual plans provided, the project will consist of redeveloping the approximately 10½-acre site for new townhome and affordable housing units. The project site is split into two main parcels identified as “Parcel A” at the northern end and “Parcel B”, which constitutes the central and southern site area. Parcel A will include at-grade asphalt parking and a five-story structure with 110 affordable housing units; the ground floor of which is anticipated to be at-grade parking. Parcel B will include a total of 31 townhome structures with between 3 to 7 townhomes per structure, for a total of 125 units. New private streets are planned to connect the entire development. Appurtenant flatwork, landscape, utilities and other pertinent site improvements are also anticipated for construction.

Site Exploration

EXISTING SITE CONDITIONS

The site is located north of Highway 580 and west of Collier Canyon Road in Livermore, California. The site is bounded by an existing residence to the north, existing commercial developments to the west, Constitution Drive to the south, and Collier Canyon Road to the east. At the time of our exploration, the site was undeveloped and covered with tall vegetation. An asphalt concrete (AC) road ran generally in a southwest – northeast direction. In addition, a gravel access road ran the entire length along the western site boundary. An enclosed structure was located in the southeast corner. Based on our observations, areas of undocumented fill and soil stockpiles were located throughout the site. Various debris including concrete and construction materials were also noted. The fill and debris could have been placed during past site developments and/or during construction of nearby projects.

SUBSURFACE CONDITIONS

Based on exploratory borings performed during our investigation, the site is generally blanketed by very stiff to hard fat clay to depths ranging from approximately 3 to 17 feet below the existing ground surface. Below the surface clayey soils, our borings encountered interbedded medium stiff to hard lean clays with varying sand contents to a depth of 45 feet, the maximum depth explored during this investigation. The attached site plan shows approximately boring locations and associated boring logs.

We performed two Plasticity Index (PI) tests on representative samples of the clayey soils at depths of 2 and 6½ feet. Tests resulted in PIs of 39 and 40 with liquid limits of 56 and 58, indicating a high expansion potential to wetting and drying cycles.

GROUND WATER

Borings performed during this investigation encountered ground water at depths ranging from 19½ to 23½ feet below the ground surface during drilling. Maps published by the California Geological Survey indicate historical high ground water depths range from approximately 20 to 30 feet below the existing grade. Fluctuations in the level of the ground water may occur due to variations in rainfall, underground drainage patterns, and other factors not evident at the time measurements were made.

Findings and Recommendations

GEOTECHNICAL DESIGN CONSIDERATIONS

Based on exploratory borings performed, available information to date, and our engineering judgment, the planned residential mixed-use project is feasible from a geotechnical standpoint. This letter report and preliminary recommendations are intended to assist you for the project planning purposes only. A design-level geotechnical investigation should be performed once development plans are finalized.

Potential geotechnical concerns, design considerations, and preliminary recommendations are provided herein. A brief description of these concerns follows.

- Undocumented fill
- Very highly expansive clayey soils

Undocumented Fill

Our borings did not encounter undocumented fill. However, based on our site observations, localized areas of undocumented fill should be expected, especially in areas of past development. Existing underground improvements, such as buried utilities or tanks, will need to be removed or demolished during construction.

If undocumented fill is encountered during site grading, it should be removed and replaced as engineered fill. Any fill should be completely removed from within building and bridge foundation areas and to a lateral distance of at least 5 feet beyond the structural footprint or to a lateral distance equal to fill depth below the perimeter footing, whichever is greater. Fills extending into planned pavement and flatwork areas may be left in place provided they are determined to be a low risk for future differential settlement and that the upper 12 to 18 inches of fill below pavement subgrade is re-worked and compacted.

We recommend this concern be evaluated further during the design-level geotechnical investigation. As exploratory borings are relatively small in diameter, it may be beneficial to use exploratory test pits with a backhoe to evaluate fill depths and limits.

Very Highly Expansive Clayey Soils

The surficial clayey soil is very highly expansive. 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 and slabs-on-grade should have sufficient reinforcement and be supported on a layer of non-expansive fill; foundations should be designed to extend below the zone of seasonal moisture fluctuation or to resist uplift forces. In addition, it is important to limit moisture changes in the surficial soils by using positive drainage away from the building as well as limiting landscaping watering.

FOUNDATIONS

Based on available information to date, the planned residential buildings can likely be supported on conventional continuous and/or isolated spread footings bearing entirely on natural, undisturbed soil, or compacted fill. For your forward planning purposes, maximum allowable bearing pressures on the order of 2,000 to 3,000 pounds per square foot (psf) for dead plus live loads may be feasible. As an alternative, mat foundations are also feasible, from a geotechnical standpoint. The feasibility spread footings and mat foundations should be evaluated further during the design-level geotechnical investigation.

ASPHALT CONCRETE PAVEMENT SECTIONS

For your project planning purposes, a preliminary pavement section consisting of 2½ to 3 inches of asphalt concrete over 7 to 12 inches of aggregate base may be used for Traffic Index (TI)

ranging from approximately 4.0 to 5.5. These estimates and corresponding section alternatives are based on a designed resistance value (R-value) of 5. Above pavement sections should be evaluated further during the design-level geotechnical investigation.

As the surficial soil is highly expansive, and to provide better subgrade support, consideration may be given to chemical-treating (lime-treating) the subgrade prior to paving. For your project budgeting and preliminary design purposes, we estimate the native clayey soil will need to be mixed with approximately 4 percent quicklime (CaO) by weight. If lime-treating is performed, AC pavement section alternatives provided above may be reduced to 2½ to 3 inches of AC over 4½ inches of AB or allow for increased traffic.

If this option is considered, additional laboratory tests should be performed during the design-level geotechnical investigation to further evaluate the optimum percentage of chemical treatment required.

DESIGN-LEVEL GEOTECHNICAL INVESTIGATION

Preliminary recommendations in this feasibility study are based on limited site development information and limited exploration. As site conditions may vary significantly between the widely-spaced, small-diameter borings performed during this investigation, 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.

Closure

This letter has been prepared for the sole use of The Pacific Companies for the Cornerstone Church and Chu Properties project in Livermore, California. Our professional services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices at this time and location. No warranties are expressed or implied.

If you have any questions or need any additional information from us, please call and we will be glad to discuss them with you.

Sincerely,

Cornerstone Earth Group, Inc.



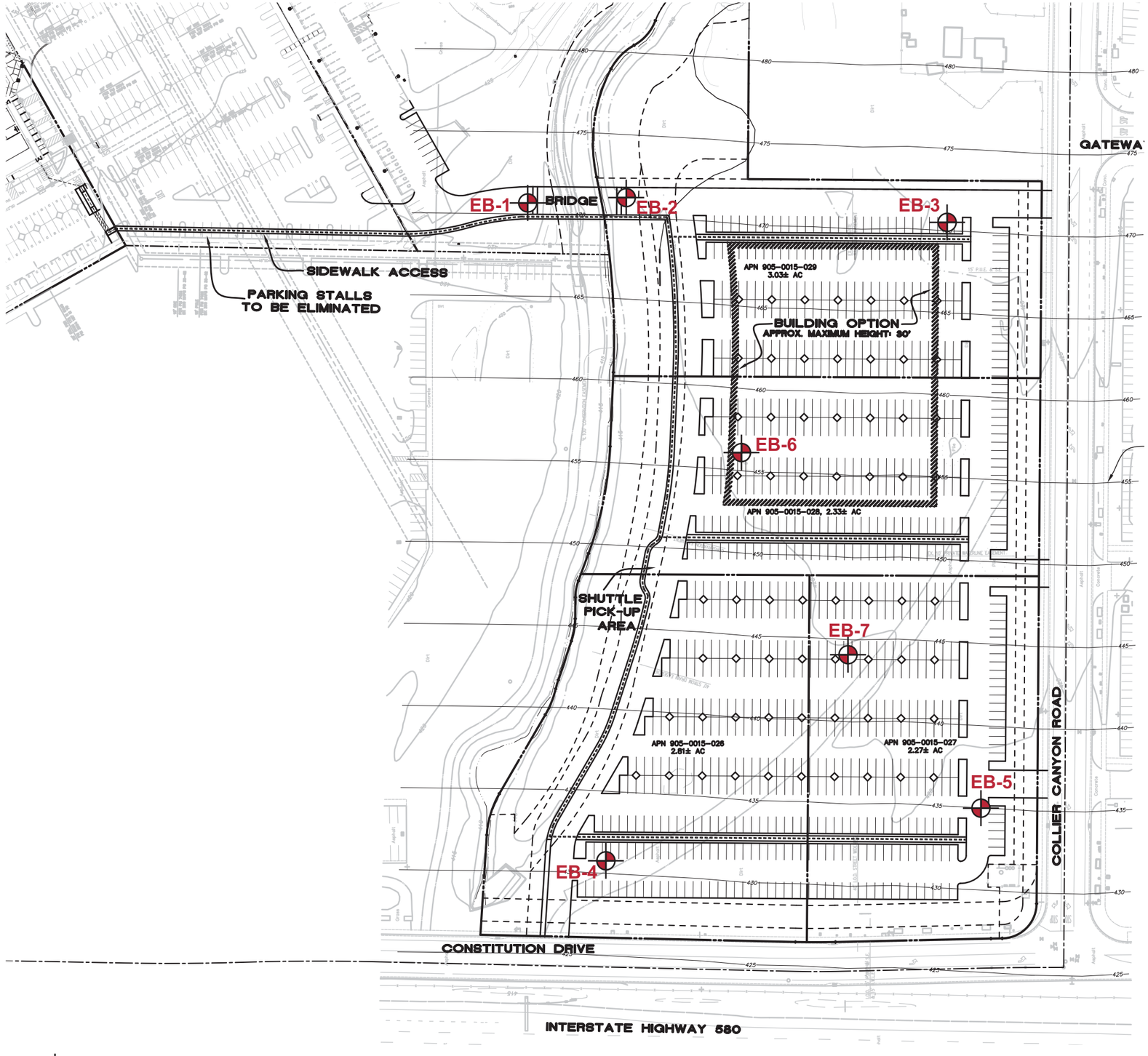
Stephen C. Ohlsen, P.E.
Project Engineer

Danh T. Tran, P.E.
Senior Principal Engineer

DTT:sco

Attachment: Figure 1 – Site Plan
Exploratory Boring Logs (EB-1 through EB-7)

EXHIBIT B



Approximate Location of Exploratory Boring

N

0 120 240

APPROXIMATE SCALE (FEET)

Site Plan

CORNERSTONE FELLOWSHIP
PHASE I EXPANSION
LIVERMORE, CA

CORNERSTONE EARTH GROUP

Figure Number
Figure 1

Project Number
209-2-1

June 2010

557

EXHIBIT B

UNIFIED SOIL CLASSIFICATION (ASTM D-2487-10)

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

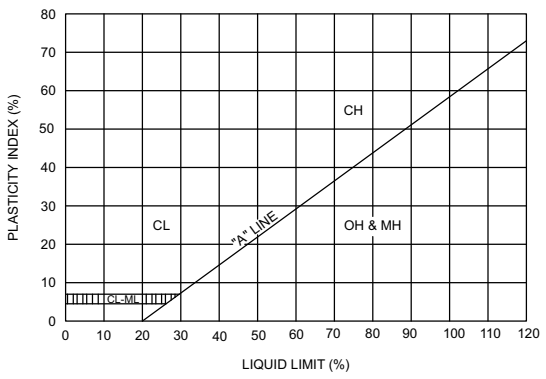
SAMPLER TYPES

- 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

CORNERSTONE EARTH GROUP

PROJECT NAME Cornerstone Parcel 1 Expansion
PROJECT NUMBER 209-2-1
PROJECT LOCATION Livermore, CA

DATE STARTED 5/18/10 **DATE COMPLETED** 5/18/10
GROUND ELEVATION _____ **BORING DEPTH** 45 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Mobile B-40, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY PNC
▽ **AT TIME OF DRILLING** 22 ft.
NOTES _____
▼ **AT END OF DRILLING** 19.5 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)	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	**Fat Clay (CH)** hard, moist, dark gray brown, some fine sand, high plasticity	38	MC-1B	92	24		
			12	MC-2B	105	14		
	5	**Fat Clay with Sand (CH)** very stiff to hard, moist, dark gray and olive mottles, fine sand, moderate plasticity	23	MC-3A	99	19		
			25	MC-4A	108	17		
	10							
		some medium to coarse sand	33	MC-5A	115	15		
	15							
		Lean Clay with Sand (CL) hard, moist, gray with brown mottled, fine sand, moderate plasticity	41	MC-6A	110	19		
	20							
		some light brown mottles	43	MC-7A	110	20		
	25							
		Sandy Lean Clay (CL) hard, moist, gray and brown mottled, fine sand, moderate plasticity	64	MC-8A	107	19		57
	30							
		Lean Clay with Sand (CL) hard to very stiff, moist, olive brown with light brown mottles, fine sand, moderate plasticity	39	MC-9B	106	21		
	35							

Continued Next Page

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0 5.0

CORNERSTONE EARTH GROUP - CORNERSTONE.GDT - 6/4/10 10:54 - P:\DRAFTING\GINT FILES\209-2-1 CORNERSTONE PARCEL.GPJ

CORNERSTONE EARTH GROUP

PROJECT NAME Cornerstone Parcel 1 Expansion

PROJECT NUMBER 209-2-1

PROJECT LOCATION Livermore, CA

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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
	35		**Lean Clay with Sand (CL)** very stiff, moist, olive brown with light brown mottles, fine sand, moderate plasticity							○ HAND PENETROMETER △ TORVANE ● UNCONFINED COMPRESSION ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL 1.0 2.0 3.0 4.0 5.0
	40			47	MC-10A	113	18			○ at 4.0
	45			27	MC-11B	104	22			○ at 3.0
			Bottom of Boring at 45.0 feet.							
	50									
	55									
	60									
	65									
	70									
	75									

CORNERSTONE EARTH GROUP - CORNERSTONE.GDT - 6/4/10 10:54 - P:\DRAFTING\GINT FILES\209-2-1 CORNERSTONE PARCEL.GPJ

BORING NUMBER EB-2

CORNERSTONE EARTH GROUP

PROJECT NAME Cornerstone Parcel 1 Expansion
PROJECT NUMBER 209-2-1
PROJECT LOCATION Livermore, CA

DATE STARTED 5/18/10 **DATE COMPLETED** 5/18/10
GROUND ELEVATION _____ **BORING DEPTH** 5 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Mobile B-40, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY PNC
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
	0		**Fat Clay (CH)** very stiff to stiff, moist, dark gray with olive brown mottles, some fine sand, high plasticity	14	MC-1B	89	28			○ HAND PENETROMETER △ TORVANE ● UNCONFINED COMPRESSION ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
				25	MC-2B	88	27			
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									
	25									
	30									
	35									

UNDRAINED SHEAR STRENGTH, ksf: 1.0 2.0 3.0 4.0 5.0

CORNERSTONE EARTH GROUP - CORNERSTONE.GDT - 6/4/10 10:53 - P:\DRAFTING\GINT FILES\209-2-1 CORNERSTONE PARCEL.GPJ

BORING NUMBER EB-3

CORNERSTONE EARTH GROUP

PROJECT NAME Cornerstone Parcel 1 Expansion
PROJECT NUMBER 209-2-1
PROJECT LOCATION Livermore, CA

DATE STARTED 5/18/10 **DATE COMPLETED** 5/18/10
GROUND ELEVATION _____ **BORING DEPTH** 25 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Mobile B-40, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY PNC
AT TIME OF DRILLING 23.5 ft.
NOTES _____
AT END OF DRILLING 22 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	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT, %	PLASTICITY INDEX, %	PERCENT PASSING NO. 200 SIEVE
	0		**Fat Clay (CH)** stiff, moist, dark gray with brown mottles, some fine sand, high plasticity	13	MC-1B	95	25		
	5		**Fat Clay with Sand (CH)** very stiff to hard, moist, gray-brown, fine sand, high plasticity Liquid Limit = 56, Plastic Limit = 17	22	MC-2B	104	17		
				52	MC-3A	108	17	39	
	10			33	MC-4B	106	17		
	15		**Fat Clay (CH)** stiff, moist, olive, trace fine sand, high plasticity	18	MC-5B	96	26		
	20		**Sandy Lean Clay (CL)** medium stiff, moist, olive brown, fine sand, low plasticity Liquid Limit = 26, Plastic Limit = 17	18	MC-6B	99	21	9	62
	25		Bottom of Boring at 25.0 feet.	16	MC-7B	97	23		53
	30								
	35								

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0 5.0

CORNERSTONE EARTH GROUP - CORNERSTONE.GDT - 6/4/10 10:53 - P:\DRAFTING\GINT FILES\209-2-1 CORNERSTONE PARCEL.GPJ

BORING NUMBER EB-4

CORNERSTONE EARTH GROUP

PROJECT NAME Cornerstone Parcel 1 Expansion
PROJECT NUMBER 209-2-1
PROJECT LOCATION Livermore, CA

DATE STARTED 5/18/10 **DATE COMPLETED** 5/18/10
GROUND ELEVATION _____ **BORING DEPTH** 10 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Mobile B-40, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY PNC
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
	0		**Fat Clay (CH)** stiff, moist, dark gray, some fine sand, moderate to high plasticity	11	MC-1B	100	22			
				18	MC-2B	101	20			
	5		**Sandy Lean Clay (CL)** hard, moist, olive with light brown mottles, fine sand, low to moderate plasticity	28	MC-3B	103	9			
				28	MC-4B	111	13			
	10		Bottom of Boring at 10.0 feet.							
	15									
	20									
	25									
	30									
	35									

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0 5.0

CORNERSTONE EARTH GROUP - CORNERSTONE.GDT - 6/4/10 10:53 - P:\DRAFTING\GINT FILES\209-2-1 CORNERSTONE PARCEL.GPJ

BORING NUMBER EB-5

CORNERSTONE EARTH GROUP

PROJECT NAME Cornerstone Parcel 1 Expansion
PROJECT NUMBER 209-2-1
PROJECT LOCATION Livermore, CA

DATE STARTED 5/18/10 **DATE COMPLETED** 5/18/10
GROUND ELEVATION _____ **BORING DEPTH** 5 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Mobile B-40, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY PNC
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		**Fat Clay (CH)** very stiff, moist, dark gray with olive mottles, some fine sand, high plasticity	19	MC-1B	103	19		
			Lean Clay with Sand (CL) hard, moist, olive with light brown mottles, fine sand, moderate plasticity	56	MC-2B	114	14		
	5		Bottom of Boring at 5.0 feet.						
	10								
	15								
	20								
	25								
	30								
	35								

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0 5.0

CORNERSTONE EARTH GROUP - CORNERSTONE.GDT - 6/4/10 10:53 - P:\DRAFTING\GINT FILES\209-2-1 CORNERSTONE PARCEL.GPJ

BORING NUMBER EB-6

CORNERSTONE EARTH GROUP

PROJECT NAME Cornerstone Parcel 1 Expansion

PROJECT NUMBER 209-2-1

PROJECT LOCATION Livermore, CA

DATE STARTED 5/18/10 **DATE COMPLETED** 5/18/10

GROUND ELEVATION _____ **BORING DEPTH** 5 ft.

DRILLING CONTRACTOR Exploration Geoservices, Inc.

LATITUDE _____ **LONGITUDE** _____

DRILLING METHOD Mobile B-40, 8 inch Hollow-Stem Auger

GROUND WATER LEVELS:

LOGGED BY PNC

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		**Fat Clay (CH)** very stiff, moist, dark gray, trace fine sand, high plasticity Liquid Limit = 58, Plastic Limit = 18	37	MC-1B	101	22	41	
			Fat Clay with Sand (CH) hard, moist, olive with light brown mottles, fine sand, high plasticity	46	MC-2B	98	16		
	5		Bottom of Boring at 5.0 feet.						
	10								
	15								
	20								
	25								
	30								
	35								

UNDRAINED SHEAR STRENGTH, ksf

○ HAND PENETROMETER

△ TORVANE

● UNCONFINED COMPRESSION

▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL

1.0 2.0 3.0 4.0 5.0

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BORING NUMBER EB-7

CORNERSTONE EARTH GROUP

PROJECT NAME Cornerstone Parcel 1 Expansion
PROJECT NUMBER 209-2-1
PROJECT LOCATION Livermore, CA

DATE STARTED 5/18/10 **DATE COMPLETED** 5/18/10
GROUND ELEVATION _____ **BORING DEPTH** 5 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE _____ **LONGITUDE** _____
DRILLING METHOD Mobile B-40, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY PNC
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.

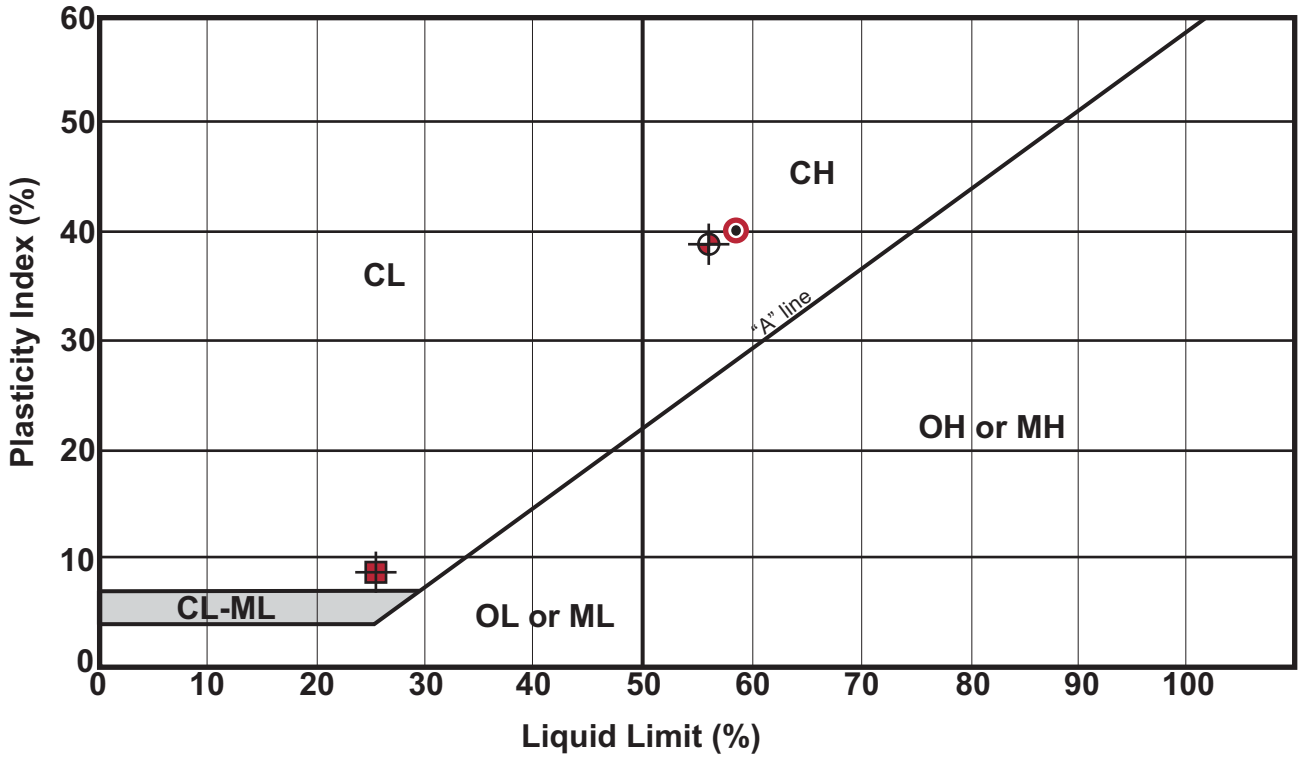
ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT, %	PLASTICITY INDEX, %	PERCENT PASSING NO. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf
	0		**Fat Clay with Sand (CH)** stiff, moist, dark gray, fine sand, high plasticity	19	MC-1B	99	23			
				21	MC-2B	103	20			
	5		Bottom of Boring at 5.0 feet.							
	10									
	15									
	20									
	25									
	30									
	35									

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0 5.0

CORNERSTONE EARTH GROUP - CORNERSTONE.GDT - 6/4/10 10:53 - P:\DRAFTING\GINT FILES\209-2-1 CORNERSTONE PARCEL.GPJ

EXHIBIT B

Plasticity Index (ASTM D4318) Testing Summary



Symbol	Boring No.	Depth (ft)	Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index	Passing No. 200 (%)	Group Name (USCS - ASTM D2487)
⊕	EB-3	6.5	17	56	17	39	–	Fat Clay with Sand (CH)
⊞	EB-3	19.5	21	26	17	9	62	Sandy Lean Clay (CL)
◉	EB-6	2.0	22	58	18	40	–	Fat Clay (CH)

CORNERSTONE EARTH GROUP

Plasticity Index Testing Summary

Cornerstone Parcel 1 Expansion
Livermore, CA

Project Number: 209-2-1

Figure Number: Figure B1

Date: June 2010

Drawn By: FLL

APPENDIX E

PHASE I ESA

KCE MATRIX
CONSULTING ENGINEERS
STRUCTURAL, CIVIL & ENVIRONMENTAL

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Vacant Land
Client Project Identification: Constitution Drive
(APNs: 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 & 905-0015-029)
2620 & 2768 Collier Canyon Road
Livermore, California 94551

Prepared For:

Pacific West Communities, Inc.
430 East State Street, Suite 100
Eagle, Idaho 83616

KCE-2022-488E-R1
February 1, 2023

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- Appendix C-2. California State Department of Toxic Substance Control
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- Appendix C-5. Hydrology Information
- Appendix C-6. National Wetlands Inventory – Wetland Map
- Appendix C-7. Federal Emergency Management Agency – National Flood Hazard Map

Appendix D. Historical Research Documentation

- Appendix D-1. City of Livermore – City Clerk's Office – Building Department
- Appendix D-2. Historic Maps
- Appendix D-3. Aerial Photographs
- Appendix D-4. Historical Topographic Maps
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Appendix E. User Questionnaire and Title Report

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Appendix H. Qualifications of Environmental Professionals

I. SUMMARY AND CONCLUSIONS

KCE Matrix, Inc. (KCE Matrix) has been retained by Pacific West Communities, Inc. (referred to as "the client" and/or "the user" in this report) to conduct a Phase I Environmental Site Assessment (ESA) in accordance with the American Society of Testing and Materials (ASTM) standard practice E1527-13 for the property consisting of vacant land, located at 2620 & 2768 Collier Canyon Road, and has the Assessor's Parcel Numbers (APNs) of 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 & 905-0015-029, Livermore, California (referred to as "the subject property" in this report).

The following summarizes the findings of this Phase I ESA:

- The subject property is located in an essentially commercial area along the western side of Collier Canyon Road, on the northwest corner of the intersection of Collier Canyon Road and Constitution Drive, in Livermore, California. The property consists of five parcels of land with Assessor's Parcel Numbers (APNs) of 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 and 905-0015-029; measures approximately 570,636 square feet (13.1 acres) in size; has an irregular-shaped configuration; appears to be relatively flat and has an approximate elevation of 420 feet above mean sea level. The property currently consists of vacant unoccupied land with no structures and has a dirt and grass surface that covers a majority of the site. A walkway is located along the western property line, and another walkway is located through the southern central portion of the property. An equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment. The site can be accessed from the vacant properties located along the northwestern and western property lines, from the eastern property line along Collier Canyon Road and from the southern property line along Constitution Drive.

- Based on the historic information obtained during this investigation (including research of Sanborn Maps, Aerial Photographs, regulatory records and city directories), the subject property consisted of vacant land in 1940. Between 1949 and 1998, the property was occupied by several relatively small structures (residential in use) located along the southern and eastern property lines. From at least 1966 and through 1982, large areas of the central and southern portions of the property appear to have been used for agricultural purposes. Between 2006 and 2016, only one residential structure remained on the northern central portion of the site along with a barn and accessory structure. As of 2020, this residence, barn and accessory structure were demolished and removed from the site and the property appears to have been vacant unoccupied land with no structures with a dirt or grassy surface for a majority of the site. A pathway has been located through the central portion of the site from at least 1979 and through the present, and a second pathway was located along the western perimeter of the site from at least 2006 and through the present. Finally, an equipment enclosure was located on the southeastern corner of the subject property from at least 2006 and through the present. On January 19, 2023, a representative of KCE Matrix conducted site inspection for the subject property and confirmed that the property currently consists of vacant

unoccupied land with no structures and has a dirt and grass surface for a majority of the site. In addition, an equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment.

- As reported in the search of government and regulatory environmental databases and as presented in Section V-A2 and Section VI-D of this report, the subject property is located in an essentially commercial area where information related to environmental assessment, remediation and/or management practices is documented for other properties in the general vicinity of the subject site. Eight such sites were identified as being located in the vicinity of the subject property within a radius of approximately 500 feet. Two of these sites were reported as not having Federal RCRA waste. One of these sites that consists of the local Water Agency property was identified under CUPA. Another one of these sites was identified as a laboratory that reportedly maintains small quantities of hazardous materials and generates small quantities of hazardous waste with no reported subsurface storage of such materials; and there were no violations reported. In summary, none of these other nearby facilities have been identified as facilities with Underground Storage Tanks (USTs), or sites with Leaking USTs (LUST). Moreover, based on the information obtained during this investigation and the site vicinity reconnaissance performed, KCE Matrix did not discover or observe subsurface environmental site assessment activity that would indicate potential migration of contamination from other nearby sites towards the subject property.

- Based on the VES conducted during this investigation, a VEC originating from the subject site could not be ruled out. Furthermore, based on the research conducted during this investigation for other sites in the general site vicinity (particularly as related to past agricultural land usage over an extended period of time), a VEC originating from other sites for the subject property could not be ruled out.

- KCE Matrix conducted a search of groundwater monitoring data as maintained by the State Water Resources Control Board (SWRCB) – Geotracker database for hydrology information for the site and site vicinity. Based on monitoring data collected from wells located on a property that is approximately 0.56-mile west of the subject property, the depth to groundwater was reported to range between 21.90 feet and 25.20 feet below the surface as monitored in February of 2008. Based on monitoring data collected from wells located at a second site that is approximately 1.3-miles southeast of the subject site, the depth to groundwater was reported to range between 33.95 feet and 36.28 feet below the surface as monitored in September of 2006.

The ASTM standard practice E1527-13 defines the following terms:

Recognized Environmental Condition (REC) as “the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment”.

Historical Recognized Environmental Condition (HREC) as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria as established by the regulatory authority, without subjecting the property to any required controls".

Controlled Recognized Environmental Condition (CREC) as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls".

KCE Matrix has performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527-13 of the property consisting of vacant land, located at 2620 & 2768 Collier Canyon Road, and has the APNs of 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 & 905-0015-029, Livermore, California, the subject property. Any exceptions to, or deletions from, this practice are described in this report. This assessment has revealed no evidence of a REC, an HREC or a CREC in connection with the subject property, except as follows:

- REC – Historic agricultural land use. Parcel (2) through Parcel (5) of the subject property appears to have been used for agricultural purposes over an extended period of time from at least 1966 through 1982. As such, KCE Matrix recommends that subsurface environmental assessment work be performed for Parcel (2) through Parcel (5) of the subject property to determine whether or not the property has been impacted by the potential usage of pesticides over an extended period of time, and to assess any potential impact from metals (such as Arsenic and Lead). The proposed subsurface assessment work should also be conducted in a manner so as to address potential vapor encroachment conditions.

II. INTRODUCTION

A. Purpose

This report presents the results of a Phase I ESA conducted by KCE Matrix for the subject property. The purpose of this investigation is to research and report existing environmental conditions for the subject property based on the American Society of Testing and Materials (ASTM) standard practice E1527-13. Performing a Phase I ESA according to the ASTM Standard E1527-13 is intended to permit a user to satisfy one of the requirements in qualifying for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability (the "*landowner liability protections*," or "*LLPs*"). This practice constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice".

B. Detailed Scope-of-Services

The scope of services performed during this Phase I ESA project includes:

1. Collecting available information concerning the property as it pertains to:
   a. Past land use
   b. Past owners
   c. Location of buried storage tanks, hazardous waste storage, wastewater treatment facilities and/or on-site landfills, etc.
   d. Types of chemicals used on site, past and present
   e. Geologic and hydrogeologic features
   f. Past geotechnical investigations (if available)
   g. Other data pertinent to the specific site
2. Conducting a site visit to:
   a. Identify vegetative features
   b. Locate surface waters
   c. Assess physical features
   d. Observe adjacent land use
   e. Gather evidence of indiscriminate and/or illegal waste disposal
3. Conducting a review of records maintained by regulatory agencies as follows:
   a. Reviewing regulatory files regarding the property in question
   b. Contacting appropriate regulatory personnel
4. Conducting a Vapor Encroachment Screen.
5. Preparing the Phase I Environmental Site Assessment Report, summarizing our findings and inclusive of supporting documentation.

C. Significant Assumptions

No significant assumptions were made during the course of this investigation.

D. Limitations and Exceptions

This type of ESA does not include air, soil or water sampling; or sampling of building materials. Site-specific conditions such as soil deposits and rock formations may vary in thickness, lithology, saturation strength, and other properties across any site beyond what available documentation indicates. Therefore, it is possible that undocumented or concealed improvements or alterations to the property could exist beyond the inquiry of the activities conducted during this site assessment. In addition, environmental changes, either naturally occurring or artificially induced, may cause changes or alterations (which can be significant) to the property as compared to the conditions found at the time that this assessment was conducted.

Based on the best available investigative technologies, no amount of assessment can guarantee that the subject property does not contain contaminants or hazardous substances. The activities conducted during this limited investigation cannot identify all potential concerns for the subject

property, and do not eliminate the possibility that the subject property is completely free of environmental concerns.

KCE Matrix has analyzed and evaluated the information collected during this investigation using what we believe to be the currently applicable assessment and engineering techniques and principles. KCE Matrix assumes no liability from other parties involved in losses sustained as a result of decisions made based on interpretations of this report. KCE Matrix makes no warranty, either expressed or implied, regarding the work conducted, except that our services were performed in accordance with the generally accepted professional principles and practices existing for such work.

There are no significant data gaps to report during this investigation.

E. Special Terms and Conditions

This report and all information obtained during this site assessment are considered confidential and will not be released without written permission by the owner of the subject property, the owner authorized entity conducting this assessment, or as required by law. The owner of the subject property is typically responsible for mitigation of contamination, corrective or remedial action, and disclosure of any information related to environmental issues that may or may not be discovered during this site assessment.

F. User Reliance

This report was prepared for the exclusive use of the client and/or user. No other person or entity is entitled to rely upon this report without the specific written authorization of KCE Matrix. Any such reliance by any third party is at the sole risk of said third party, and such reliance is subject to the same limitations, terms and conditions as the original contract with the client. KCE Matrix specifically disclaims any responsibility for any unauthorized use of this report.

III. SITE DESCRIPTION

A. Location and Description

The subject property is located along the western side of Collier Canyon Road, on the northwest corner of the intersection of Collier Canyon Road and Constitution Drive, in Livermore, California. A Location Map, Site Plan, and Site Vicinity Map are presented in Appendix A, as Figures 1, 2 and 3, respectively.

B. Site and Vicinity General Characteristics

The subject property is located in an essentially commercial area. The property consists of five parcels of land with Assessor's Parcel Numbers (APNs) of 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 and 905-0015-029; measures approximately 570,636 square feet (13.1

acres) in size; has an irregular-shaped configuration; appears to be relatively flat and has an approximate elevation of 420 feet above mean sea level. The property currently consists of vacant unoccupied land with no structures and has a dirt and grass surface that covers a majority of the site. A walkway is located along the western property line, and another walkway is located through the southern central portion of the property. The site can be accessed from the vacant properties located along the northwestern and western property lines, from the eastern property line along Collier Canyon Road and from the southern property line along Constitution Drive.

In addition, an equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment.

C. Current Use of the Property

The property currently consists of vacant unoccupied land with no structures and has a dirt and grass surface for a majority of the site. In addition, an equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment.

D. Description of Structures and Other Improvements

The subject property is located in an essentially commercial area. The property consists of five parcels of land with APNs of 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 and 905-0015-029; measures approximately 570,636 square feet (13.1 acres) in size; has an irregular-shaped configuration; appears to be relatively flat. The property currently consists of vacant unoccupied land with no structures and has a dirt and grass surface that covers a majority of the site. A walkway is located along the western property line, and another walkway is located through the southern central portion of the property. The site can be accessed from the vacant properties located along the northwestern and western property lines, from the eastern property line along Collier Canyon Road and from the southern property line along Constitution Drive.

In addition, an equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment.

E. Current Uses of the Adjoining Properties

The adjoining properties are comprised of the following:

- North: Vacant property, Collier Canyon Creek, Offices occupied by the Zone 7 Water Agency (water supply agency for the cities of Pleasanton, Livermore, Dublin and the San Ramon areas), North Canyons Parkway (Portola Avenue), commercial properties and other vacant areas.

- East: Collier Canyon Road and commercial properties.

- South: Constitution Drive, Interstate 580, Kitty Hawk Road and commercial/retail properties.

- West: Collier Canyon Creek, vacant land, Triad Drive and commercial properties.

IV. USER PROVIDED INFORMATION

A user questionnaire was completed by the client and was provided to KCE Matrix during this investigation. A copy of the completed user questionnaire is presented in Appendix E of this report.

A. Title Records

The client provided KCE Matrix with a copy of a Preliminary Title Report for the subject property as prepared by First American Title Company, dated December 22, 2022. Based on review of the title report for the subject property, no environmental liens and/or Activity and Use Limitations (AUL's), which indicate a past or present release of a hazardous substance or petroleum products, were presented or recorded. A copy of the title report as prepared by First American Title Company dated December 22, 2022 is presented in Appendix E.

B. Environmental Liens or Activity and Use Limitations

The user reported that he is not aware of any environmental cleanup liens that are filed or recorded against the property under federal, tribal, state or local law. The user also reported that he is not aware of any Activity and Use Limitations (AUL's) that are filed or recorded against the property.

C. Specialized Knowledge

The user did not report any specialized knowledge related to the property or to nearby properties.

D. Commonly Known or Reasonably Ascertainable Information

The user did not report any commonly known or reasonably ascertainable information related to the property.

E. Valuation Reduction for Environmental Issues

The user reported that the purchase price of this property reasonably reflects the fair market value of the property. The user did not report any other information with regard to the value of the subject property based on environmental issues.

F. Owner, Property Manager, and Occupant Information

The user identified Mr. Mark Pleis as a site contact for the subject property. The user did not provide any other information regarding the ownership, management or occupancy of the subject property.

G. Reason for Performing Phase I

This Phase I ESA is being performed for the client as part of a due diligence investigation of the subject property for property entitlement, vesting and sale purposes.

H. Vapor Encroachment

The user reported that the site currently consists of vacant land. The user reported that the future development will consist of residential construction that will have a slab-on-grade foundation. The user also reported that the future structure(s) on site will use electricity as the fuel energy type. The user also reported that neither a gas station nor a dry cleaner operates or will operate on site.

I. Other

The user did not report any other knowledge or experience for the subject property with regard to environmental condition.

V. RECORDS REVIEW

A. Standard Environmental Record Sources

KCE Matrix retained Environmental Data Resources, Inc. (EDR) to conduct a search of government and regulatory databases in an attempt to locate and obtain information about the subject site and other sites in the vicinity of the subject property that may affect the environmental quality of the property. The environmental disclosure report prepared by EDR provides a summary of the various databases searched and is presented in Appendix B of this report. The database research presents summaries for the subject site and selected adjoining properties as follows:

A1. Subject Site

The databases identified the subject property as Pacific West Communities, Inc. The information for the subject property is presented in Appendix B, on pages nine through 13 of the referenced EDR report.

Facility Name	Facility Address	Database	Regulatory History and/or Reported Impact and Current Status
Pacific West Communities, Inc.	2768 Collier Canyon Rd	ECHO	Listed the facility in the Enforcement and Compliance History Online database. Reported the registry ID number.

Facility Name	Facility Address	Database	Regulatory History and/or Reported Impact and Current Status
Pacific West Communities, Inc.	2768 Collier Canyon Rd	FINDS	Reported the registry ID number.
Pacific West Communities, Inc.	2768 Collier Canyon Rd	HAZNET	Listed one summary report dated 2019. The information reported included that the site had asbestos containing waste (0.92 tons). Reported the TSD EPA ID numbers, and the methods of disposal as landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization).
Pacific West Communities, Inc.	2768 Collier Canyon Rd	HWTS	Listed the facility on the Hazardous Waste Tracking System database. Reported the status as "Inactive" as of 03/04/2020.
Pacific West Communities, Inc.	2768 Collier Canyon Rd	RCRA NonGen / NLR	Classified the facility as not being a generator of Federal RCRA waste. No violations were reported.

A2. Site Vicinity

With regard to the summary report prepared by EDR, KCE Matrix has prepared the following table listing other sites located in the general vicinity of the subject property up to a reported radius of approximately 500 feet. This summary table includes the site names, the reported distances from the subject property, as well as a brief summary of the information reported by the databases searched.

Facility Name	Address	Dist. (ft)	Database	Regulatory History and/or Reported Impact and Current Status
Caltrol Inc	2685 Collier Canyon Rd	60 NE	RCRA NonGen / NLR	Classified the facility as not being a generator of Federal RCRA waste. No violations were reported.
3055 Livermore Owner Llc	3077 Triad Dr	256 NNW	RCRA NonGen / NLR	Classified the facility as not being a generator of Federal RCRA waste. No violations were reported.
Zone 7 Water Agency, Administration/Laboratory	100 North Canyons Parkway	273 N	CUPA Listings	Reported the facility status as "Active" and the permit as "Hazardous Materials Business Plan".
(Not Reported)	2304 Kittyhawk Rd.	386 SSW	AST	Reported the owner as "Livermore Auto Grp - Chrysler" and the capacity as 1,715 gallons.
LAM Research Corporation - Livermore Campus	1 Portola Ave	423 NNE	RCRA-SQG	Classified the facility as a small-quantity generator. No violations were reported.
LAM Research Corporation - Livermore Campus	1 Portola Ave	423 NNE	FINDS	Reported the registry ID number.
LAM Research Corporation - Livermore Campus	1 Portola Ave	423 NNE	ECHO	Listed the facility in the Enforcement and Compliance History Online database. Reported the registry ID number.
LAM Research Corporation - Livermore Campus	1 Portola Ave	423 NNE	HAZNET	Listed three summary reports dated 2020 and seven summary reports dated 2021. The information reported included that the site had aqueous solution with total organic residues less than 10 percent, Laboratory waste chemicals, liquids with pH <= 2, off-specification, aged or surplus organics, unspecified organic liquid mixture, oxygenated solvents (acetone, butanol, ethyl acetate, etc.), other inorganic solid waste and other organic solids. Reported the TSD EPA ID numbers, and the methods of disposal as storage, bulking, and/or transfer off site - no treatment/recovery, incineration - thermal destruction other than use as a fuel, and other recovery of reclamation for reuse including acid regeneration, organics recovery.
LAM Research Corporation - Livermore Campus	1 Portola Ave	423 NNE	NPDES	Reported the regulatory measure type as “Industrial” and the status as “Active” as of 09/30/2015.
LAM Research Corporation - Livermore Campus	1 Portola Ave	423 NNE	CIWQS	Listed the facility in the California Integrated Water Quality System. Reported the project type as "Industrial - Special Industry Machinery, NEC". Reported the effective dated as of 09/30/2015.
LAM Research Corporation - Livermore Campus	1 Portola Ave	423 NNE	CERS	Reported the CERS description as "US EPA Air Emission Inventory System (EIS)".
LAM Research Corporation - Livermore Campus	1 Portola Ave	423 NNE	HWTS	Listed the facility on the Hazardous Waste Tracking System database.
LAM Research Corporation (CA31)	1 Portola Ave	423 NNE	CERS	Reported the CERS description as "Chemical Storage Facilities".

Facility Name	Address	Dist. (ft)	Database	Regulatory History and/or Reported Impact and Current Status
LAM Research Corporation (CA31)	1 Portola Ave	423 NNE	CERS HAZ WASTE	Reported the CERS description as "Hazardous Waste Generator".
LAM Research Corporation	1 Portola Avenue	423 NNE	CUPA Listings	Reported the facility status as "Active" and the permit as "Hazardous Materials Business Plan/Hazardous Waste Generator".
AT&T California - PE321	198 N Canyons Pkwy	427 N	CUPA Listings	Reported the facility status as "Active" and the permit as "Hazardous Materials Business Plan".
AT&T California - PE321	198 N Canyons Pkwy	427 N	CERS	Reported the CERS description as "Chemical Storage Facilities".
Eurofins Sensory Consumer Research and Product Design US, Inc	2441 Constitution Drive	431 W	RCRA-LQG	Classified the facility as a large-quantity generator. No violations were reported.
Olympian Gulf Properties	2441 Constitution Drive	431 W	RCRA NonGen / NLR	Classified the facility as not being a generator of Federal RCRA waste. No violations were reported.
Olympian Gulf Properties	2441 Constitution Drive	431 W	RCRA NonGen / NLR	Classified the facility as not being a generator of Federal RCRA waste. No violations were reported.
The National Food Laboratory, Inc.	2441 Constitution Drive	431 W	RCRA-LQG	Classified the facility as a large-quantity generator. No violations were reported.
Tech Center	2441 Constitution Dr	431 W	HAZNET	Listed 10 summary reports dated 2020. The information reported included that the site alkaline solution without metals pH >= 12.5, laboratory waste chemicals, liquids with pH <= 2, off-specification, aged or surplus inorganics, off-specification, aged or surplus organics and other organic solids. Reported the TSD EPA ID numbers, and the methods of disposal as storage, bulking, and/or transfer off site - no treatment/recovery and fuel blending prior to energy recovery at another site.
Tech Center	2441 Constitution Dr	431 W	CERS HAZ WASTE	Reported the CERS description as "Hazardous Waste Generator".
KLA-Tencor Corporation	(37.70582/-121.80499)	454 NNE	PFAS ECHO	Reported the type as "Electronics Industry".
LAM Research Corporation	(37.70582/-121.80499)	454 NNE	PFAS ECHO	Reported the type as "Metal Machinery Mfg".

B. Additional Environmental Record Sources

Regional Water Quality Control Board

On December 20, 2022, KCE Matrix submitted a written request to the Regional Water Quality Control Board (RWQCB), San Francisco Bay Region – File Review Department; for information regarding Underground Storage Tanks (USTs) and hazardous materials for the subject property. Based on an email response issued by the RWQCB dated December 23, 2022, this agency does not maintain any records for the subject property. A copy of the written request made by KCE Matrix dated December 20, 2022 and a copy of the RWQCB email response dated December 23, 2022 are presented in Appendix C-1.

KCE Matrix also researched the records maintained by the State Water Resources Control Board (SWRCB) – Geotracker Database online for information regarding Underground Storage Tanks (USTs) and hazardous materials for the subject property. This database typically contains records that are also maintained by the various local RWQCB's. The results of this online research indicated that the SWRCB-RWQCB does not maintain such records for the subject property.

Department of Toxic Substances Control

On December 20, 2022, KCE Matrix submitted a written request to the California State Department of Toxic Substances Control (DTSC) – Berkeley Regional Office, for information regarding hazardous materials and USTs for the subject property. Based on a letter response issued by the DTSC to KCE Matrix dated December 29, 2022, this agency does not maintain any such records for the subject property. A copy of the written request made by KCE Matrix dated December 20, 2022 and a copy of the DTSC letter response dated December 29, 2022 are presented in Appendix C-2.

KCE Matrix also researched the records maintained by the DTSC Envirostor Database online for information regarding environmental assessment and remediation matters for the subject property. The results of this online research indicated that the DTSC Envirostor Database does not maintain such records for the subject property.

In addition, KCE Matrix researched the records maintained by the DTSC Hazardous Waste Tracking System database online for information regarding hazardous wastes generated and/or stored at the subject property. Based on the research conducted, the subject property was identified as "Pacific West Communities, Inc." with the address of 2768 Collier Canyon Road and the ID number of CAC003045840. The database reported the facility status as "Inactive" as of March 4, 2020. Copies of the Waste Code Matrix pages as generated by the DTSC Hazardous Waste Tracking System online is presented in Appendix C-2.

Alameda County Department of Environmental Health

On December 20, 2022, KCE Matrix submitted written requests to the Alameda County Department of Environmental Health (ACDEH) Certified Unified Program Agency (CUPA); for

information regarding Underground Storage Tanks (USTs) and hazardous materials for the subject property. Based on email responses issued by the ACDEH-CUPA dated December 20, 2022, this agency does not maintain any records for the subject property. Copies of the ACDEH-CUPA email responses dated December 20, 2022 are presented in Appendix C-3.

City of Livermore – City Clerk's Office – Fire Department

On December 20, 2022, KCE Matrix submitted a written request to the City of Livermore – City Clerk's Office; regarding any records that may be maintained by the City Departments, including the Fire Department, particularly as may be related to USTs and hazardous materials. Based on an email response issued by the City of Livermore – City Clerk's Office dated December 27, 2022, the City of Livermore Fire Department does not maintain any such records for the subject property. A copy of the request made by KCE Matrix dated December 20, 2022 and a copy of the City Clerk's Office email response dated December 27, 2022 are presented in Appendix C-4.

California Geologic Energy Management Division

KCE Matrix researched the records maintained by the California Geologic Energy Management (CalGEM) Division (formerly known as the Division of Oil, Gas, and Geothermal Resources (DOGGR)) Database online for information regarding oil and natural gas wells for the subject property and the general vicinity. The results of this online research did not indicate references to any oil and/or natural gas wells as being located on the subject property.

California Environmental Protection Agency

KCE Matrix researched the records maintained by the California Environmental Protection Agency (CalEPA) Database online for information regarding environmentally regulated sites and facilities. The results of this online research indicated that the CalEPA Database does not maintain such records for the subject property.

C. Physical Setting Source(s)

C1. Topography

The site has an approximate elevation of 420 feet above mean sea level. A Location Map that shows the physical setting of the subject property and vicinity is presented in Appendix A, as Figure 1.

C2. Geology/Hydrogeology

KCE Matrix conducted a search of groundwater monitoring data as maintained by the State Water Resources Control Board (SWRCB) – Geotracker database for hydrology information for the site and site vicinity. Based on monitoring data collected from wells located on a property that is approximately 0.56-mile west of the subject property, the depth to groundwater was reported to range between 21.90 feet and 25.20 feet below the surface as monitored in February of 2008. Based

on monitoring data collected from wells located at a second site that is approximately 1.3-miles southeast of the subject site, the depth to groundwater was reported to range between 33.95 feet and 36.28 feet below the surface as monitored in September of 2006. The groundwater information obtained from the SWRCB Geotracker Database for the general site vicinity is presented in Appendix C-5.

The surface of the subject property is essentially flat and has an approximate elevation of 420 feet above mean sea level. With regard to the surrounding area, the general topographic gradient is reported to have a gradual slope down to the south based on information obtained from EDR. General subsurface soil and topographic gradient information for the site and vicinity is presented in the Physical Setting Source Summary Report prepared by EDR in Appendix B (pages A-1 through A-6).

The National Wetlands Inventory (NWI) was established by the United States (U.S.) Fish and Wildlife Service (Service) in 1974 to conduct a nationwide inventory of U.S. wetlands to provide its biologists and others with information on the distribution of wetlands to aid in wetland conservation efforts. Based on review of information obtained from the NWI as maintained by the Service online, the subject property does not appear to be a designated wetland area. The NWI map identifies the following wetland(s) as the closest designated wetland area(s) in the vicinity of the subject property:

Wetland	Distance
Creek	Along the western and northern property lines
Arroyo Las Positas Creek	0.25-mile to the southeast of the subject site
Creek	0.55-mile to the east of the subject site
Cottonwood Creek	1.0-mile to the west of the subject site

The NWI wetland map for the vicinity of the subject property is presented in Appendix C-6. In addition, references to the nearest wetland areas are presented in the maps presented in the Executive Summary of the EDR report presented in Appendix B.

The Federal Emergency Management Agency (FEMA) has defined geographic areas as Flood Zones according to varying levels of flood risk. These zones are depicted on a community's Flood Insurance Rate Map (FIRM) or Flood Hazard Boundary Map. Each zone reflects the severity or type of flooding in the area. Based on review of information obtained from the FEMA's National Flood Hazard Layer (NFHL) Viewer online, the subject property is located in Zone X, an area of minimal flood hazard. The NFHL map for the general vicinity of the subject property is presented in Appendix C-7.

D. Historical Use Information - Subject Property

D1. Building Records

On December 20, 2022, KCE Matrix submitted a written request to the City of Livermore – City Clerk's Office; regarding any records that may be maintained by the City Departments, including the Building Department. On December 27, 2022, KCE Matrix received a response from the City

of Livermore that provided information with regard to the records maintained by this agency. These records consisted of permit related information as issued by the City of Livermore as follows:

2620 Collier Canyon Road:

Record #	Record Status	Record Type	Opened Date	Permit Description
BLDG000389	Expired	Dwelling Permit	9/22/2000	10 Day Letter Sent 6/19/02. Demolish Single Family Home and Sheds.

2768 Collier Canyon Road:

Permit #	Record Status	Record Type	Opened Date	Permit Description
DEM200002	Finaled	Demolition	1/8/2020	Demolish Three Existing Buildings: Residence (1,000 Sf), Barn (700 Sf) And Accessory Structure (400 Sf). Project Must Comply with Coa19-021.
E010001	Finaled	Electrical	1/3/2001	Relocate P.G.&E. Electric Meter and Install New Panel.
65116	FINALED	Building History	4/12/1993	Zone 7 Water Connection Fee For 5/8" Meter

A copy of the written request made by KCE Matrix dated December 20, 2022 and copies of the list of permits and associated information related to the subject property as provided to KCE Matrix by the City of Livermore are presented in Appendix D-1.

D2. Historic Maps

KCE Matrix contacted EDR in an effort to obtain historic Sanborn® Maps of the subject site and vicinity. Based on a search of the EDR historic map collection, no such historic maps were maintained by EDR for the subject property and immediate vicinity. A copy of the Sanborn® Map Report dated December 20, 2022 indicating that there is no coverage for the subject property and vicinity is presented in Appendix D-2.

D3. Aerial Photographs

KCE Matrix contacted EDR in an effort to obtain historic and/or recent Aerial Photographs of the subject site and vicinity. Based on the Aerial Photographs for the subject property dated from 1940 through 2020 as obtained by KCE Matrix from EDR, it appears that the subject property consisted of vacant land in 1940. Between 1949 and 1998, the property was occupied by several relatively

small structures (residential in use) located along the southern and eastern property lines. From at least 1966 and through 1982, large areas of the central and southern portions of the property appear to have been used for agricultural purposes. Between 2006 and 2016, only one structure remained on the northern central portion of the site. In 2020, the property appears to have been vacant unoccupied land with no structures with a dirt or grassy surface for a majority of the site. In addition, a pathway is evident as being located through the central portion of the site between 1979 and 2020, and a second pathway is located along the western perimeter of the site between 2006 and 2020. Finally, an equipment enclosure is also evident as being located on the southeastern corner of the subject property from at least 2006 and through 2020. Copies of aerial photographs dated 1940, 1949, 1958, 1963, 1966, 1979, 1982, 1993, 1998, 2006, 2009, 2012, 2016 and 2020 for the subject property and site vicinity as obtained by KCE Matrix from EDR are presented in Appendix D-3.

D4. Historical Topographic Maps

KCE Matrix contacted EDR in an effort to obtain historic and/or recent Topographic Maps of the subject site and vicinity. Based on the historic and/or recent Topographic Maps dated 1906 through 2018 as obtained by KCE Matrix from EDR, it appears that the subject property consisted of vacant land between 1906 and 1947. Between 1953 and 1980, several structures were located along the southern and eastern property perimeter of the site. Detailed information was not provided regarding the subject property and the vicinity on the Topographic Maps dated 2012 through 2018. Copies of the Historical Topographic Maps dated 1906, 1941, 1947, 1953, 1961, 1968, 1973, 1980, 2012, 2015 and 2018 as obtained from EDR and reviewed by KCE Matrix are presented in Appendix D-4.

D5. City Directory Abstract

The following presents a review of the City Directory Abstract for the subject property as obtained by KCE Matrix from EDR.

2620 Collier Canyon Road

Year	Occupant Name
1986	Cardoza John
1979	Haapanen Dennis
1979	Haapanen Martha
1975	Haepanen Martha
1970	Haapanen Martha
1965	Haapanen Martha
1960	Haapanen Martha

2768 Collier Canyon Road

Year	Occupant Name
2002	Chu Miriam
2002	Chu Miriam
1986	Waters Al

Year	Occupant Name
1984	Waters A L
1979	Waters A L
1975	Waters A L

A copy of the City Directory Abstract obtained from EDR and reviewed by KCE Matrix is presented in Appendix D-5.

D6. Recorded Land Title Records

The client provided KCE Matrix with a copy of a Preliminary Title Report for the subject property as prepared by First American Title Company, dated December 22, 2022. Based on review of the title report for the subject property, no environmental liens and/or Activity and Use Limitations (AUL's), which indicate a past or present release of a hazardous substance or petroleum products, were presented or recorded. A copy of the title report as prepared by First American Title Company dated December 22, 2022 is presented in Appendix E.

E. Historical Use Information - Adjoining Properties

E1. Historic Maps

KCE Matrix contacted EDR in an effort to obtain historic Sanborn® Maps of the subject site and vicinity. Based on a search of the EDR historic map collection, no such historic maps were maintained by EDR for the subject property and immediate vicinity. A copy of the Sanborn® Map Report dated December 20, 2022 indicating that there is no coverage for the subject property and vicinity is presented in Appendix D-2.

E2. Aerial Photographs

KCE Matrix contacted EDR in an effort to obtain historic and/or recent Aerial Photographs of the subject site and vicinity. Based on the Aerial Photographs for the subject property and vicinity dated from 1940 through 2020 as obtained by KCE Matrix from EDR, the general site vicinity consisted of essentially vacant land between 1940 and 1982. Between 1993 and 1998, gradual development of essentially commercial structures is evident in the general vicinity, particularly in the areas to the northwest and west of the subject property. As of 2006 and through 2020, further development of commercial properties is evident in the general vicinity of the subject property. In addition, areas located to the north, east and southeast of the subject property were intermittently used for agricultural purposes through the years from at least 1940 and through 2006. Copies of aerial photographs dated 1940, 1949, 1958, 1963, 1966, 1979, 1982, 1993, 1998, 2006, 2009, 2012, 2016 and 2020 for the subject property and site vicinity obtained by KCE Matrix from EDR are presented in Appendix D-3.

E3. Historical Topographic Maps

KCE Matrix contacted EDR in an effort to obtain historic and/or recent Topographic Maps of the subject site and vicinity. Based on the historic and/or recent Topographic Maps for the subject

property and the general vicinity dated from 1906 through 2018 as obtained by KCE Matrix from EDR, the general vicinity appears to have been comprised of vacant land with a few dispersed developed properties between 1906 and 1980. Between 2012 and 2018, gradual development of properties is evident in the general site vicinity. Copies of the Historical Topographic Maps dated 1906, 1941, 1947, 1953, 1961, 1968, 1973, 1980, 2012, 2015 and 2018 as obtained from EDR and reviewed by KCE Matrix are presented in Appendix D-4.

E4. City Directory Abstract

Based on review of the City Directory Abstract report obtained by KCE Matrix from EDR; additional information with regard to addresses in the site vicinity is presented. Information with regard to listings that are or were located in the immediate vicinity of the subject property is presented on pages three through seven of the referenced EDR City Directory Abstract report. A copy of the City Directory Abstract report obtained from EDR and reviewed by KCE Matrix is presented in Appendix D-5.

VI. SITE RECONNAISSANCE

A. Non-ASTM Scope Considerations

Site reconnaissance is limited to the areas accessible and inspected during this investigation. There were no buildings or structures observed on site during this investigation. As such, KCE Matrix did not observe any suspect Asbestos Containing Material (ACM) or Lead-Based Paint (LBP) in association with the subject property. No sampling or analysis of any building materials for asbestos content or paint for lead content was conducted during this assessment.

Exposure to asbestos is a health concern when building materials are friable. In working near, repairing or replacing materials such as these, a licensed asbestos abatement contractor, or personnel specially trained in working with or near asbestos should be employed. With regard to LBP, exposure to lead from LBP is a health concern when lead dust is created and can be inhaled or LBP chips are accessible for ingestion. In working near, assessing, repairing or replacing materials that contain LBP, certified lead professionals specially trained in working with or near LBP should be employed.

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The United States Environmental Protection Agency (EPA) and the California EPA have prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. It is important to note that the EPA has found homes with elevated levels of radon in all three designated zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures. The map divides the country into three Radon Zones as follows:

- Zone 1: Highest Potential - Counties that have a predicted average indoor radon screening level greater than 4 picocuries per liter (pCi/L), the US EPA Action Limit.

- Zone 2: Moderate Potential - Counties that have a predicted average indoor radon screening level between 2 and 4 pCi/L.

- Zone 3: Low Potential - Counties that have a predicted average indoor radon screening level less than 2 pCi/L.

Radon sampling was not conducted as part of this assessment. Review of the California EPA Map of Radon Zones places the subject property in Zone 2, where average predicted radon levels are between 2.0 and 4.0 pCi/L. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

B. General Site Setting

The subject property is located in an essentially commercial area along the western side of Collier Canyon Road, on the northwest corner of the intersection of Collier Canyon Road and Constitution Drive, in Livermore, California. The property consists of five parcels of land with Assessor's Parcel Numbers (APNs) of 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 and 905-0015-029; measures approximately 570,636 square feet (13.1 acres) in size; has an irregular-shaped configuration; appears to be relatively flat and has an approximate elevation of 420 feet above mean sea level. The property currently consists of vacant unoccupied land with no structures and has a dirt and grass surface that covers a majority of the site. A walkway is located along the western property line, and another walkway is located through the southern central portion of the property. An equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment. The site can be accessed from the vacant properties located along the northwestern and western property lines, from the eastern property line along Collier Canyon Road and from the southern property line along Constitution Drive.

A Location Map, a Site Plan and a Site Vicinity Map are presented in Appendix A, as Figures 1, 2 and 3, respectively. During site reconnaissance, KCE Matrix also obtained photographs of the subject property and vicinity. Selected photographs are presented in Appendix F.

C. Observations

On January 19, 2023, a representative of KCE Matrix inspected the subject property and recorded the following observations:

	Description	Comments
1	Industrial Use	None observed
2	Gas Station	None observed
3	Motor Repair Facility	None observed
4	Commercial Printing Facility	None observed
5	Dry Cleaning	None observed

	Description	Comments
6	Photo Development Laboratory	None observed
7	Junkyard	None observed
8	Landfill	None observed
9	Waste Treatment	None observed
10	Storage Facility	None observed
11	Disposal Facility	None observed
12	Processing Facility	None observed
13	Recycling Facility	None observed
14	Batteries	None observed
15	Pesticides or agricultural activity	None observed
16	Paints	None observed
17	HazMat storage or use	None observed
18	Potential HazMat storage or use	None observed
19	Dumping or Improper Disposal of HazMat	None observed
20	Drums and Other Containers	None observed
21	PCB's, Transformers, Capacitors or Hydraulic equipment, other equipment	None observed
22	Chemical Products	None observed
23	Asbestos, Age of Building, Blueprints	None observed, the site is vacant land with no structures
24	Paint Condition, LBP	None observed, the site is vacant land with no structures
25	Building Demolition or Renovation	None observed
26	Fill Dirt From Other Locations	None observed
27	Stained Soil or Spills	None observed
28	Oil or Gas Wells	None observed
29	Underground Storage Tanks (USTs)	None observed
30	Above-ground Storage Tanks (ASTs)	An equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment including above ground tanks and piping.
31	Hydraulic Hoists	None observed
32	Clarifier/Wastewater Interceptor	None observed
33	Subsurface or Underground Pipes	The site is vacant land with no structures.
34	Above Ground Pipes	An equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment including above ground tanks and piping.
35	Flooring, Drains or Walls Emitting Foul Odors	None observed
36	Pits, Pounds, Lagoons or Cesspools	None observed
37	Distressed Vegetation	None observed
38	Pools of Liquid, Drains, Sumps, Stains, Septic Tanks	None observed
39	Environmental Liens	None observed
40	Government Notifications Regarding Environmental Violation	None observed
41	HazMat Inventory	None
42	Disclosure of Hazardous Substances or Petroleum Products	None observed
43	Previously Conducted Environmental Site Assessments	None observed
44	Wastewater Generation or Disposal	None observed
45	Water Supply System, Water Usage	None observed
46	Regulated Air Emissions	None observed

	Description	Comments
47	Heating/Cooling	None observed, the site is vacant land with no structures
48	Potable, Irrigation, or Monitoring Wells	None observed
49	Storm water drainage	Dirt surface
50	Odors	Not perceived
51	Solid Waste	None observed
52	Others	None observed

D. Site Vicinity Reconnaissance

KCE Matrix conducted a brief inspection of the immediate vicinity of the subject property. The adjoining properties are comprised of the following:

- North: Vacant property, Collier Canyon Creek, Offices occupied by the Zone 7 Water Agency (water supply agency for the cities of Pleasanton, Livermore, Dublin and the San Ramon areas), North Canyons Parkway (Portola Avenue), commercial properties and other vacant areas.

- East: Collier Canyon Road and commercial properties.

- South: Constitution Drive, Interstate 580, Kitty Hawk Road and commercial/retail properties.

- West: Collier Canyon Creek, vacant land, Triad Drive and commercial properties.

VII. INTERVIEWS

A. Interview with Owner

KCE Matrix did not conduct an interview with the current owner of the subject property during this investigation.

B. Interview with Site Manager

KCE Matrix did not conduct an interview with the current occupant of the property during this investigation. The property consists of vacant unoccupied land with a dirt and grass surface for a majority of the site, and no structures.

C. Interviews with Occupants

KCE Matrix did not conduct an interview with the current occupant of the property during this investigation. The property consists of vacant unoccupied land with a dirt and grass surface for a majority of the site, and no structures.

D. Interviews with Local Government Officials

KCE Matrix did not interview any local government officials regarding the subject property during this investigation.

E. Interviews with Others

KCE Matrix did not conduct any other interviews regarding the subject property during this investigation.

VIII. VAPOR ENCROACHMENT SCREEN

During this investigation, KCE Matrix conducted a Vapor Encroachment Screen (VES) for the subject property based on the ASTM E2600-10 guideline. The goal of conducting a VES as established by the ASTM, is to identify a potential Vapor Encroachment Condition (VEC) for the subject property, which is defined as the presence or likely presence of Chemicals of Concern (COC) vapors in the subsurface of the subject property caused by the release of vapors from contaminated soil or groundwater either on or near the subject site. Detailed information with regard to the VES evaluation conducted, the methodology used, and the information for other sites located in the immediate vicinity of the subject property as provided to KCE Matrix by EDR is presented in a VES summary report presented in Appendix G of this report.

A. Subject Property - VES

Based on the research conducted during this investigation, the subject property consisted of vacant land in 1940. Between 1949 and 1998, the property was occupied by several relatively small structures (residential in use) located along the southern and eastern property lines. From at least 1966 and through 1982, large areas of the central and southern portions of the property appear to have been used for agricultural purposes. Between 2006 and 2016, only one residential structure remained on the northern central portion of the site along with a barn and accessory structure. As of 2020, this residence, barn and accessory structure were demolished and removed from the site and the property appears to have been vacant unoccupied land with no structures with a dirt or grassy surface for a majority of the site. A pathway has been located through the central portion of the site from at least 1979 and through the present, and a second pathway was located along the western perimeter of the site from at least 2006 and through the present. Finally, an equipment enclosure was located on the southeastern corner of the subject property from at least 2006 and through the present.

On January 19, 2023, a representative of KCE Matrix conducted site inspection for the subject property and confirmed that the property currently consists of vacant unoccupied land with no structures and has a dirt and grass surface for a majority of the site. In addition, an equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment.

Based on the site history of the subject property, the central and southern portions of the subject property have been used as agricultural land from at least 1966 through 1982. As such, a VEC originating from these areas of the subject site could not be ruled out.

B. Site Vicinity - VES

Based on the research conducted during this investigation for other sites located in the general vicinity of the subject property, several other sites were identified and/or evaluated during this VES. The evaluation of these other sites located closest to the subject property includes the following:

Facility Name	Facility Address	Database
Caltrol Inc	2685 Collier Canyon Rd	RCRA NONGEN / NLR
3055 Livermore Owner Llc	3077 Triad Dr	RCRA NONGEN / NLR
Zone 7 Water Agency, Administration/Laboratory	100 North Canyons Parkway	CUPA LISTINGS
(Not Reported)	2304 Kittyhawk Rd.	AST
LAM Research Corporation - Livermore Campus	1 Portola Ave	HWTS, RCRA-SQG, FINDS, ECHO, HAZNET, NPDES, CIWQS, CERS
LAM Research Corporation (CA31)	1 Portola Ave	CERS HAZ WASTE, CERS
LAM Research Corporation	1 Portola Avenue	CUPA LISTINGS
AT&T California - PE321	198 N Canyons Pkwy	CUPA LISTINGS, CERS
Eurofins Sensory Consumer Research and Product Des	2441 Constitution Drive	RCRA-LQG
Olympian Gulf Properties	2441 Constitution Drive	RCRA NONGEN / NLR
Olympian Gulf Properties	2441 Constitution Drive	RCRA NONGEN / NLR
The National Food Laboratory, Inc.	2441 Constitution Drive	RCRA-LQG
Tech Center	2441 Constitution Dr	CERS HAZ WASTE, HAZNET
KLA-Tencor Corporation	37.70582/-121.80499	PFAS ECHO
LAM Research Corporation	37.70582/-121.80499	PFAS ECHO

Based on the research conducted, none of the above-listed facilities have been identified as facilities with Underground Storage Tanks (USTs), or sites with Leaking USTs (LUST). Moreover, based on the information obtained during this investigation and the site vicinity reconnaissance performed, KCE Matrix did not discover or observe subsurface environmental site assessment activity that would indicate potential migration of contamination from other nearby sites towards the subject property. Furthermore, based on the information obtained during this assessment, the general site vicinity was developed relatively recently, with significant development beginning in approximately 1993. As such, a VEC originating from these other nearby sites was not identified for the subject property.

Based on the research performed during this investigation, areas located to the north, east and southeast of the subject property were intermittently used for agricultural purposes through the years from at least 1940 and through 2006. Based on the agricultural usage of other nearby properties over an extended period of time, a VEC originating from these other nearby properties for the subject site could not be ruled out.

Detailed information with regard to the VES evaluation conducted is presented in a VES summary report presented in Appendix G of this report.

IX. FINDINGS

The following presents our findings based on the work performed during this Phase I ESA:

- The subject property is located in an essentially commercial area along the western side of Collier Canyon Road, on the northwest corner of the intersection of Collier Canyon Road and Constitution Drive, in Livermore, California. The property consists of five parcels of land with Assessor's Parcel Numbers (APNs) of 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 and 905-0015-029; measures approximately 570,636 square feet (13.1 acres) in size; has an irregular-shaped configuration; appears to be relatively flat and has an approximate elevation of 420 feet above mean sea level. The property currently consists of vacant unoccupied land with no structures and has a dirt and grass surface that covers a majority of the site. A walkway is located along the western property line, and another walkway is located through the southern central portion of the property. An equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment. The site can be accessed from the vacant properties located along the northwestern and western property lines, from the eastern property line along Collier Canyon Road and from the southern property line along Constitution Drive.

- Based on the historic information obtained during this investigation (including research of Sanborn Maps, Aerial Photographs, regulatory records and city directories), the subject property consisted of vacant land in 1940. Between 1949 and 1998, the property was occupied by several relatively small structures (residential in use) located along the southern and eastern property lines. From at least 1966 and through 1982, large areas of the central and southern portions of the property appear to have been used for agricultural purposes. Between 2006 and 2016, only one residential structure remained on the northern central portion of the site along with a barn and accessory structure. As of 2020, this residence, barn and accessory structure were demolished and removed from the site and the property appears to have been vacant unoccupied land with no structures with a dirt or grassy surface for a majority of the site. A pathway has been located through the central portion of the site from at least 1979 and through the present, and a second pathway was located along the western perimeter of the site from at least 2006 and through the present. Finally, an equipment enclosure was located on the southeastern corner of the subject property from at least 2006 and through the present. On January 19, 2023, a representative of KCE Matrix conducted site inspection for the subject property and confirmed that the property currently consists of vacant unoccupied land with no structures and has a dirt and grass surface for a majority of the site. In addition, an equipment enclosure is located on the southeastern corner of the subject property, that contains what appears to be water filtration pumps and related equipment.

- As reported in the search of government and regulatory environmental databases and as presented in Section V-A2 and Section VI-D of this report, the subject property is located in an essentially commercial area where information related to environmental assessment, remediation and/or management practices is documented for other properties in the general vicinity of the subject site. Eight such sites were identified as being located in the vicinity of the subject property within a radius of approximately 500 feet. Two of these sites were reported as not having Federal RCRA waste. One of these sites that consists of the local Water Agency property was identified under CUPA. Another one of these sites was identified as a laboratory that reportedly maintains small quantities of hazardous materials and generates small quantities of hazardous waste with no reported subsurface storage of such materials; and there were no violations reported. In summary, none of these other nearby facilities have been identified as facilities with Underground Storage Tanks (USTs), or sites with Leaking USTs (LUST). Moreover, based on the information obtained during this investigation and the site vicinity reconnaissance performed, KCE Matrix did not discover or observe subsurface environmental site assessment activity that would indicate potential migration of contamination from other nearby sites towards the subject property.

- Based on the VES conducted during this investigation, a VEC originating from the subject site could not be ruled out. Furthermore, based on the research conducted during this investigation for other sites in the general site vicinity (particularly as related to past agricultural land usage over an extended period of time), a VEC originating from other sites for the subject property could not be ruled out.

- KCE Matrix conducted a search of groundwater monitoring data as maintained by the State Water Resources Control Board (SWRCB) – Geotracker database for hydrology information for the site and site vicinity. Based on monitoring data collected from wells located on a property that is approximately 0.56-mile west of the subject property, the depth to groundwater was reported to range between 21.90 feet and 25.20 feet below the surface as monitored in February of 2008. Based on monitoring data collected from wells located at a second site that is approximately 1.3-miles southeast of the subject site, the depth to groundwater was reported to range between 33.95 feet and 36.28 feet below the surface as monitored in September of 2006.

X. SIGNATURE

KCE Matrix appreciates the opportunity to have provided services for this project. Should you have any questions regarding this report and the assessment work performed, please do not hesitate to contact our office at 818-559-5500.

Sincerely,

KCE Matrix, Inc.



Aram B. Kaloustian, P.E.
Project Manager

License No. C52428
Expiration Date: 12/31/24

XI. QUALIFICATIONS

KCE Matrix declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 Code of Federal Regulations (CFR) 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Detailed information with regard to the qualifications of the personnel who have worked on this project is presented in Appendix H of this report.

APPENDIX A

(FIGURES 1 THROUGH 3)

EXHIBIT B



Map Center: Latitude 37.7030, Longitude -121.8068
Subject site is located on the Livermore quadrangle (Map Source Year: 2021)

0 0.5 1.0
Approx. scale Mile

LOCATION MAP

KCE MATRIX
CONSULTING ENGINEERS
STRUCTURAL,CIVIL & ENVIRONMENTAL

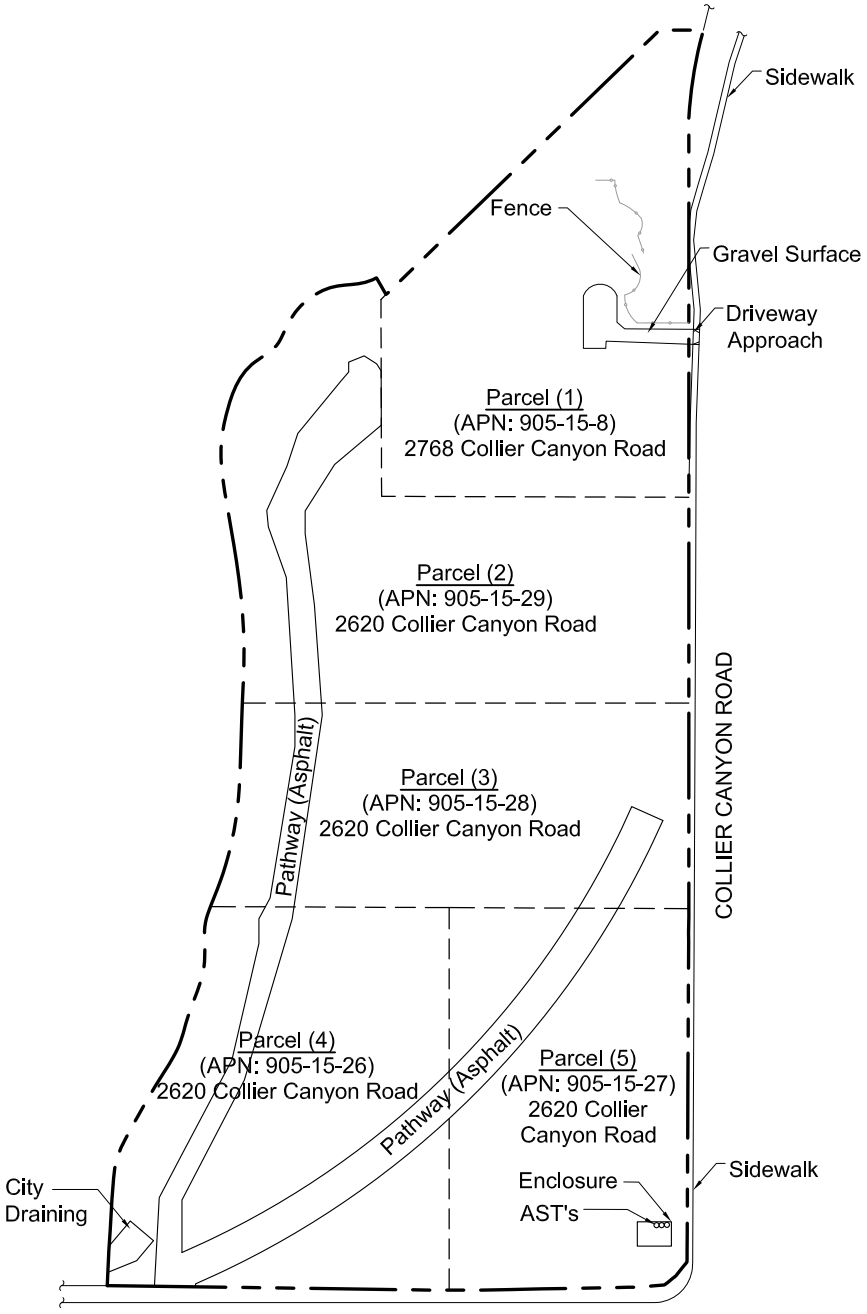
VACANT PROPERTY
2620 & 2768 COLLIER CANYON ROAD
APNs: 905-15-8, 905-15-26,
905-15-27, 905-15-28 & 905-15-29
LIVERMORE, CALIFORNIA

PROJECT ID: KCE-2022-488E

FIGURE 1

600

EXHIBIT B



SITE PLAN

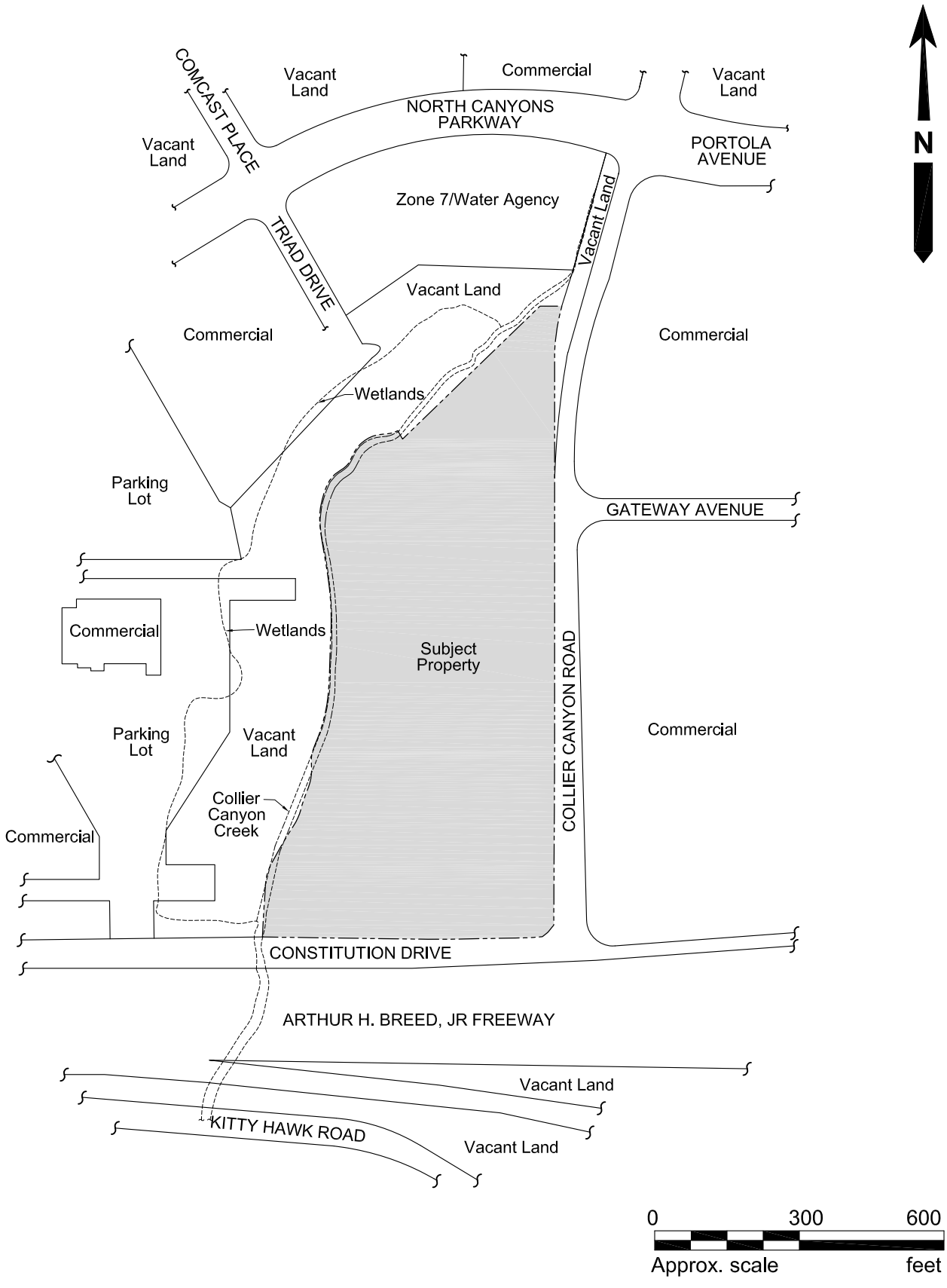
KCE MATRIX
CONSULTING ENGINEERS
STRUCTURAL,CIVIL & ENVIRONMENTAL

VACANT PROPERTY
2620 & 2768 COLLIER CANYON ROAD
APNs: 905-15-8, 905-15-26,
905-15-27, 905-15-28 & 905-15-29
LIVERMORE, CALIFORNIA

PROJECT ID: KCE-2022-488E

FIGURE 2

EXHIBIT B



SITE VICINITY MAP

KCE MATRIX
CONSULTING ENGINEERS
STRUCTURAL,CIVIL & ENVIRONMENTAL

VACANT PROPERTY
2620 & 2768 COLLIER CANYON ROAD
APNs: 905-15-8, 905-15-26,
905-15-27, 905-15-28 & 905-15-29
LIVERMORE, CALIFORNIA

PROJECT ID: KCE-2022-488E

FIGURE 3

APPENDIX B

ENVIRONMENTAL DATA RESOURCES, INC. (EDR)
RADIUS MAP REPORT

Vacant Land
2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551

Inquiry Number: 7208710.2s
December 20, 2022

The EDR Radius Map™ Report with GeoCheck®

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

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Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), 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

2620 & 2768 COLLIER CANYON RD
LIVERMORE, CA 94551

COORDINATES

Latitude (North):	37.7029240 - 37ˆ 42' 10.52''
Longitude (West):	121.8070360 - 121ˆ 48' 25.32''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	605164.7
UTM Y (Meters):	4173319.2
Elevation:	420 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12008728 LIVERMORE, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2620 & 2768 COLLIER CANYON RD
LIVERMORE, CA 94551

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	PACIFIC WEST COMMUNI	2768 COLLIER CANYON	ECHO		TP
A2	PACIFIC WEST COMMUNI	2768 COLLIER CANYON	FINDS		TP
A3	PACIFIC WEST COMMUNI	2768 COLLIER CANYON	HAZNET, HWTS		TP
A4	PACIFIC WEST COMMUNI	2768 COLLIER CANYON	RCRA NonGen / NLR		TP
5	CALTROL INC	2685 COLLIER CANYON	RCRA NonGen / NLR	Higher	60, 0.011, NE
B6	3055 LIVERMORE OWNER	3077 TRIAD DR	RCRA NonGen / NLR	Higher	256, 0.048, NNW
C7	ZONE 7 WATER AGENCY,	100 NORTH CANYONS PA	CUPA Listings	Higher	273, 0.052, North
8		2304 KITTYHAWK RD.	AST	Lower	386, 0.073, SSW
D9	LAM RESEARCH CORPORA	1 PORTOLA AVE	RCRA-SQG, FINDS, ECHO, HAZNET, NPDES, CIWQS, CERS,...	Higher	423, 0.080, NNE
D10	LAM RESEARCH CORPORA	1 PORTOLA AVE	CERS HAZ WASTE, CERS	Higher	423, 0.080, NNE
D11	LAM RESEARCH CORPORA	1 PORTOLA AVENUE	CUPA Listings	Higher	423, 0.080, NNE
C12	AT&T CALIFORNIA - PE	198 N CANYONS PKWY	CUPA Listings, CERS	Higher	427, 0.081, North
E13	EUROFINS SENSORY CON	2441 CONSTITUTION DR	RCRA-LQG	Higher	431, 0.082, West
E14	OLYMPIAN GULF PROPER	2441 CONSTITUTION DR	RCRA NonGen / NLR	Higher	431, 0.082, West
E15	OLYMPIAN GULF PROPER	2441 CONSTITUTION DR	RCRA NonGen / NLR	Higher	431, 0.082, West
E16	THE NATIONAL FOOD LA	2441 CONSTITUTION DR	RCRA-LQG	Higher	431, 0.082, West
E17	TECH CENTER	2441 CONSTITUTION DR	CERS HAZ WASTE, HAZNET	Higher	431, 0.082, West
D18	KLA-TENCOR CORPORATI	37.70582/-121.80499	PFAS ECHO	Higher	454, 0.086, NNE
D19	LAM RESEARCH CORPORA	37.70582/-121.80499	PFAS ECHO	Higher	454, 0.086, NNE
F20	CODIROLI FORD	2266 KITTYHAWK RD	RCRA-SQG, FINDS, ECHO	Lower	505, 0.096, South
F21	LIVERMORE FORD LINCO	2266 KITTY HAWK RD	RCRA NonGen / NLR	Lower	505, 0.096, South
F22		2266 KITTYHAWK RD.	AST	Lower	505, 0.096, South
F23	LIVERMORE AUTO GROUP	2266 KITTY HAWK RD	AST	Lower	505, 0.096, South
F24	LIVERMORE AUTO GROUP	2266 KITTY HAWK RD	CERS HAZ WASTE, CERS TANKS, CUPA Listings, EMI,...	Lower	505, 0.096, South
B25	OPERATING ENGINEERS	250 NORTH CANYONS PA	CUPA Listings	Higher	519, 0.098, NNW
G26	TOSHIBA AMERICA ELEC	37.704466/-121.80411	PFAS ECHO	Higher	597, 0.113, ENE
G27	BRIDGELUX	37.704466/-121.80411	PFAS ECHO	Higher	597, 0.113, ENE
H28	ADMEDES	2800 COLLIER CANYON	CUPA Listings	Higher	616, 0.117, NNE
H29	ADMEDES INC.	2800 COLLIER CANYON	CERS HAZ WASTE, CERS	Higher	616, 0.117, NNE
H30	ADMEDES INC	2800 COLLIER CANYON	RCRA-LQG, CHMIRS, HAZNET, NPDES, CIWQS, HWTS	Higher	616, 0.117, NNE
I31	BOOMERS	2400 KITTY HAWK RD	CERS HAZ WASTE, CERS, HWTS	Lower	670, 0.127, SW
I32	BOOMERS AMUSEMENT	2400 KITTY HAWK ROAD	CUPA Listings	Lower	670, 0.127, SW
J33	BRIDGELUX	101 PORTOLA AVE UNIT	RCRA-SQG, FINDS, ECHO, EMI, HAZNET, CIWQS, HWTS	Higher	784, 0.148, NE
J34	BRIDGELUX	101 PORTOLA AVE UNIT	CERS HAZ WASTE, CUPA Listings, CERS	Higher	784, 0.148, NE
J35	BRIDGELUX	101 PORTOLA AVENUE	CUPA Listings, EMI	Higher	784, 0.148, NE
J36	TOSHIBA AMERICA ELEC	101 PORTOLA AVE	RCRA NonGen / NLR	Higher	784, 0.148, NE
K37	STREIVOR INC	2150 KITTY HAWK ROAD	CUPA Listings	Lower	863, 0.163, SSE
K38	SILVER METAL PRODUCT	2150 KITTY HAWK RD	LUST, SWEEPS UST, CA FID UST, Cortese, CUPA...	Lower	863, 0.163, SSE
L39	SHEA HOMES, LP	2630 SHEA CENTER DR.	RCRA NonGen / NLR	Higher	894, 0.169, East

MAPPED SITES SUMMARY

Target Property Address:
2620 & 2768 COLLIER CANYON RD
LIVERMORE, CA 94551

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L40	FREMONT BANK	2580 SHEA CENTER DRI	CUPA Listings	Lower	894, 0.169, East
41	PERFORMANT	333 NORTH CANYONS PA	CUPA Listings	Higher	894, 0.169, NW
M42	COMCAST CABLE	3077 COMCAST PL	CERS HAZ WASTE	Higher	919, 0.174, NNW
M43	COMCAST CABLE	3077 COMCAST PL	AST	Higher	919, 0.174, NNW
N44	COSTCO WHOLESALE REG	2820 INDEPENDENCE DR	RCRA-SQG, FINDS, ECHO	Higher	1125, 0.213, West
N45	COSTCO #146	2800 INDEPENDENCE DR	CUPA Listings	Higher	1145, 0.217, West
N46	COSTCO WHOLESALE	2800 INDEPENDENCE DR	RCRA-SQG, FINDS, ECHO	Higher	1145, 0.217, West
N47	COSTCO WHOLESALE #14	2800 INDEPENDENCE DR	UST	Higher	1145, 0.217, West
N48	COSTCO WHOLESALE #14	2800 INDEPENDENCE DR	CERS HAZ WASTE, CERS TANKS, EMI, HAZNET, CERS,...	Higher	1145, 0.217, West
O49	SUTTER SHARED LABORA	2950 COLLIER CANYON	CERS HAZ WASTE, CERS TANKS, CERS	Higher	1206, 0.228, North
O50	SUTTER SHARED CLINIC	2950 COLLIER CANYON	CUPA Listings	Higher	1206, 0.228, North
O51	MILLS PENINSULA HEAL	2950 COLLIER CANYON	RCRA-LQG	Higher	1206, 0.228, North
52	BROOKS AUTOMATION IN	201 LINDBERGH AVE	CUPA Listings, HAZNET, NPDES, CIWQS, CERS, HWTS	Lower	1249, 0.237, SSW
P53	PEPTIDOGENIC RESEARC	151 LINDBERGH AVE ST	RCRA-SQG, FINDS, ECHO	Lower	1281, 0.243, SSW
P54	TESSERACT HQ	151 LINDBERGH AVE ST	CERS HAZ WASTE, CERS	Lower	1281, 0.243, SSW
P55	TESSERACT SPACE INC	151 LINDBERGH AVE ST	RCRA NonGen / NLR	Lower	1281, 0.243, SSW
P56	BENCHMARK SPACE SYST	151 LINDBERGH AVENUE	CUPA Listings	Lower	1281, 0.243, SSW
57	CHABOT COLLEGE	3033 COLLIER CANYON	LUST, Alameda County CS, SWEEPS UST, Cortese, HIST...	Higher	1732, 0.328, NNE
58	ASSOCIATED CONCRETE	1901 ISABEL AVENUE	Notify 65	Lower	2641, 0.500, South
59	LIVERMORE NAVY AUXIL	MURIETTA BLVD.	ENVIROSTOR	Higher	4673, 0.885, SE
60	LIVERMORE NAVY AUXIL		FUDS	Higher	4991, 0.945, SE

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
PACIFIC WEST COMMUNI 2768 COLLIER CANYON LIVERMORE, CA 94551	ECHO Registry ID: 110070677824	N/A
PACIFIC WEST COMMUNI 2768 COLLIER CANYON LIVERMORE, CA 94551	FINDS	N/A
PACIFIC WEST COMMUNI 2768 COLLIER CANYON LIVERMORE, CA 94551	HAZNET GEPAID: CAC003045840 HWTS	N/A
PACIFIC WEST COMMUNI 2768 COLLIER CANYON LIVERMORE, CA 94551	RCRA NonGen / NLR EPA ID:: CAC003045840	CAC003045840

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

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

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

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

EXECUTIVE SUMMARY

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

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

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

LUCIS---------- Land Use Control Information System
US ENG CONTROLS---------- Engineering Controls Sites List
US INST CONTROLS---------- Institutional Controls Sites List

Federal ERNS list

ERNS---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE---------- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

FEMA UST---------- Underground Storage Tank Listing
INDIAN UST---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield sites

BROWNFIELDS---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS---------- A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT	Waste Management Unit Database
SWRCY	Recycler Database
HAULERS	Registered Waste Tire Haulers Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
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

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

Other Ascertainable Records

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)

EXECUTIVE SUMMARY

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
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments 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
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
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
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)

EXECUTIVE SUMMARY

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

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 11/21/2022 has revealed that there are 4 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EUROFINS SENSORY CON EPA ID:: CAR000205922	2441 CONSTITUTION DR	W 0 - 1/8 (0.082 mi.)	E13	84
THE NATIONAL FOOD LA	2441 CONSTITUTION DR	W 0 - 1/8 (0.082 mi.)	E16	95

EPA ID:: CAL000333429				
ADMEDES INC	***2800 COLLIER CANYON***	***NNE 0 - 1/8 (0.117 mi.)***	***H30***	***179***
EPA ID:: CAR000208728				
MILLS PENINSULA HEAL	2950 COLLIER CANYON	N 1/8 - 1/4 (0.228 mi.)	O51	524
EPA ID:: CAR000190272				

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 11/21/2022 has revealed that there are 6 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAM RESEARCH CORPORA	***1 PORTOLA AVE***	***NNE 0 - 1/8 (0.080 mi.)***	***D9***	***19***
EPA ID:: CAR000215442				
BRIDGELUX	***101 PORTOLA AVE UNIT***	***NE 1/8 - 1/4 (0.148 mi.)***	***J33***	***259***
EPA ID:: CAR000205005				
COSTCO WHOLESALE REG	***2820 INDEPENDENCE DR***	***W 1/8 - 1/4 (0.213 mi.)***	***N44***	***329***
EPA ID:: CAR000236216				
COSTCO WHOLESALE	***2800 INDEPENDENCE DR***	***W 1/8 - 1/4 (0.217 mi.)***	***N46***	***332***
EPA ID:: CAR000005470				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CODIROLI FORD	***2266 KITTYHAWK RD***	***S 0 - 1/8 (0.096 mi.)***	***F20***	***138***
EPA ID:: CAR000076117				
PEPTIDOGENIC RESEARC	***151 LINDBERGH AVE ST***	***SSW 1/8 - 1/4 (0.243 mi.)***	***P53***	***563***
EPA ID:: CAR000049817				

Lists of state- and tribal hazardous waste facilities

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 07/25/2022 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIVERMORE NAVY AUXIL Facility Id: 80000958 Facility Id: 80000644 Status: No Further Action	MURIETTA BLVD.	SE 1/2 - 1 (0.885 mi.)	59	652

Lists of state and tribal leaking storage tanks

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 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHABOT COLLEGE Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 08/31/2022 Status: Completed - Case Closed Facility Id: 01-0882 Facility Status: Case Closed Global Id: T0600100815 date9: 2/18/1994	***3033 COLLIER CANYON***	***NNE 1/4 - 1/2 (0.328 mi.)***	***57***	***573***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SILVER METAL PRODUCT Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 08/31/2022 Status: Completed - Case Closed Facility Id: 01-1391 Facility Status: Case Closed Global Id: T0600101285 date9: 12/19/1990	***2150 KITTY HAWK RD***	***SSE 1/8 - 1/4 (0.163 mi.)***	***K38***	***314***

Alameda County CS: 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).

A review of the Alameda County CS list, as provided by EDR, and dated 01/09/2019 has revealed that there is 1 Alameda County CS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHABOT COLLEGE Record Id: RO0000542 Status: Case Closed	***3033 COLLIER CANYON***	***NNE 1/4 - 1/2 (0.328 mi.)***	***57***	***573***

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COSTCO WHOLESALE #14	2800 INDEPENDENCE DR	W 1/8 - 1/4 (0.217 mi.)	N47	350
Database: UST, Date of Government Version: 08/31/2022				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMCAST CABLE	3077 COMCAST PL	NNW 1/8 - 1/4 (0.174 mi.)	M43	328
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2304 KITTYHAWK RD.	SSW 0 - 1/8 (0.073 mi.)	8	18
Database: AST, Date of Government Version: 07/06/2016				
Not reported	2266 KITTYHAWK RD.	S 0 - 1/8 (0.096 mi.)	F22	144
Database: AST, Date of Government Version: 07/06/2016				
LIVERMORE AUTO GROUP	2266 KITTY HAWK RD	S 0 - 1/8 (0.096 mi.)	F23	144
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/18/2022 has revealed that there are 10 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAM RESEARCH CORPORA	***1 PORTOLA AVE***	***NNE 0 - 1/8 (0.080 mi.)***	***D10***	***77***
TECH CENTER	***2441 CONSTITUTION DR***	***W 0 - 1/8 (0.082 mi.)***	***E17***	***99***
ADMEDES INC.	***2800 COLLIER CANYON***	***NNE 0 - 1/8 (0.117 mi.)***	***H29***	***166***
BRIDGELUX	***101 PORTOLA AVE UNIT***	***NE 1/8 - 1/4 (0.148 mi.)***	***J34***	***297***
COMCAST CABLE	3077 COMCAST PL	NNW 1/8 - 1/4 (0.174 mi.)	M42	326
COSTCO WHOLESALE #14	***2800 INDEPENDENCE DR***	***W 1/8 - 1/4 (0.217 mi.)***	***N48***	***354***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUTTER SHARED LABORA	*2950 COLLIER CANYON*	*N 1/8 - 1/4 (0.228 mi.)*	*O49*	*519*

Lower Elevation	Address	Direction / Distance	Map ID	Page
LIVERMORE AUTO GROUP	*2266 KITTY HAWK RD*	*S 0 - 1/8 (0.096 mi.)*	*F24*	*145*
BOOMERS	*2400 KITTY HAWK RD*	*SW 1/8 - 1/4 (0.127 mi.)*	*I31*	*253*
TESSERACT HQ	*151 LINDBERGH AVE ST*	*SSW 1/8 - 1/4 (0.243 mi.)*	*P54*	*567*

Local Lists of Registered Storage Tanks

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SILVER METAL PRODUCT	*2150 KITTY HAWK RD*	*SSE 1/8 - 1/4 (0.163 mi.)*	*K38*	*314*
Comp Number: 281				

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 07/18/2022 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COSTCO WHOLESALE #14	*2800 INDEPENDENCE DR*	*W 1/8 - 1/4 (0.217 mi.)*	*N48*	*354*
SUTTER SHARED LABORA	*2950 COLLIER CANYON*	*N 1/8 - 1/4 (0.228 mi.)*	*O49*	*519*

Lower Elevation	Address	Direction / Distance	Map ID	Page
LIVERMORE AUTO GROUP	*2266 KITTY HAWK RD*	*S 0 - 1/8 (0.096 mi.)*	*F24*	*145*

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SILVER METAL PRODUCT	*2150 KITTY HAWK RD*	*SSE 1/8 - 1/4 (0.163 mi.)*	*K38*	*314*
Facility Id: 01002069				
Status: I				

EXECUTIVE SUMMARY

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 11/21/2022 has revealed that there are 8 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALTROL INC EPA ID:: CAL000446988	2685 COLLIER CANYON	NE 0 - 1/8 (0.011 mi.)	5	13
3055 LIVERMORE OWNER EPA ID:: CAL000462573	3077 TRIAD DR	NNW 0 - 1/8 (0.048 mi.)	B6	16
OLYMPIAN GULF PROPER EPA ID:: CAC003109970	2441 CONSTITUTION DR	W 0 - 1/8 (0.082 mi.)	E14	90
OLYMPIAN GULF PROPER EPA ID:: CAC003122280	2441 CONSTITUTION DR	W 0 - 1/8 (0.082 mi.)	E15	93
TOSHIBA AMERICA ELEC EPA ID:: CAR000239335	101 PORTOLA AVE	NE 1/8 - 1/4 (0.148 mi.)	J36	310
SHEA HOMES, LP EPA ID:: CAC003190460	2630 SHEA CENTER DR.	E 1/8 - 1/4 (0.169 mi.)	L39	323

Lower Elevation	Address	Direction / Distance	Map ID	Page
LIVERMORE FORD LINCO EPA ID:: CAL000296317	2266 KITTY HAWK RD	S 0 - 1/8 (0.096 mi.)	F21	141
TESSERACT SPACE INC EPA ID:: CAL000442782	151 LINDBERGH AVE ST	SSW 1/8 - 1/4 (0.243 mi.)	P55	570

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 08/11/2022 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIVERMORE NAVY AUXIL		SE 1/2 - 1 (0.945 mi.)	60	654

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 01/03/2022 has revealed that there are 4 PFAS ECHO sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KLA-TENCOR CORPORATI	37.70582/-121.80499	NNE 0 - 1/8 (0.086 mi.)	D18	134
LAM RESEARCH CORPORA	37.70582/-121.80499	NNE 0 - 1/8 (0.086 mi.)	D19	136
TOSHIBA AMERICA ELEC	37.704466/-121.80411	ENE 0 - 1/8 (0.113 mi.)	G26	163
BRIDGELUX	37.704466/-121.80411	ENE 0 - 1/8 (0.113 mi.)	G27	165

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 09/19/2022 has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHABOT COLLEGE	***3033 COLLIER CANYON***	***NNE 1/4 - 1/2 (0.328 mi.)***	***57***	***573***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SILVER METAL PRODUCT	***2150 KITTY HAWK RD***	***SSE 1/8 - 1/4 (0.163 mi.)***	***K38***	***314***
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 17 CUPA Listings sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ZONE 7 WATER AGENCY,	100 NORTH CANYONS PA	N 0 - 1/8 (0.052 mi.)	C7	18
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
LAM RESEARCH CORPORA	1 PORTOLA AVENUE	NNE 0 - 1/8 (0.080 mi.)	D11	82
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
AT&T CALIFORNIA - PE	***198 N CANYONS PKWY***	***N 0 - 1/8 (0.081 mi.)***	***C12***	***82***
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
OPERATING ENGINEERS	250 NORTH CANYONS PA	NNW 0 - 1/8 (0.098 mi.)	B25	163
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
ADMEDES	2800 COLLIER CANYON	NNE 0 - 1/8 (0.117 mi.)	H28	166
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
BRIDGELUX	***101 PORTOLA AVE UNIT***	***NE 1/8 - 1/4 (0.148 mi.)***	***J34***	***297***
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
BRIDGELUX	***101 PORTOLA AVENUE***	***NE 1/8 - 1/4 (0.148 mi.)***	***J35***	***307***
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
PERFORMANT	333 NORTH CANYONS PA	NW 1/8 - 1/4 (0.169 mi.)	41	326
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
COSTCO #146	2800 INDEPENDENCE DR	W 1/8 - 1/4 (0.217 mi.)	N45	332
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
SUTTER SHARED CLINIC	2950 COLLIER CANYON	N 1/8 - 1/4 (0.228 mi.)	O50	524
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
LIVERMORE AUTO GROUP	***2266 KITTY HAWK RD***	***S 0 - 1/8 (0.096 mi.)***	***F24***	***145***
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
BOOMERS AMUSEMENT	2400 KITTY HAWK ROAD	SW 1/8 - 1/4 (0.127 mi.)	I32	258
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
STREIVOR INC	2150 KITTY HAWK ROAD	SSE 1/8 - 1/4 (0.163 mi.)	K37	313
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
SILVER METAL PRODUCT	***2150 KITTY HAWK RD***	***SSE 1/8 - 1/4 (0.163 mi.)***	***K38***	***314***
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
FREMONT BANK	2580 SHEA CENTER DRI	E 1/8 - 1/4 (0.169 mi.)	L40	326
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
BROOKS AUTOMATION IN	***201 LINDBERGH AVE***	***SSW 1/8 - 1/4 (0.237 mi.)***	***52***	***527***
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				
BENCHMARK SPACE SYST	151 LINDBERGH AVENUE	SSW 1/8 - 1/4 (0.243 mi.)	P56	572
Database: CUPA LIVERMORE-PLEASANTON, Date of Government Version: 12/07/2021				

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 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHABOT COLLEGE	***3033 COLLIER CANYON***	***NNE 1/4 - 1/2 (0.328 mi.)***	***57***	***573***
Reg Id: 01-0882				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SILVER METAL PRODUCT	***2150 KITTY HAWK RD***	***SSE 1/8 - 1/4 (0.163 mi.)***	***K38***	***314***
Reg Id: 01-1391				

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 09/07/2022 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

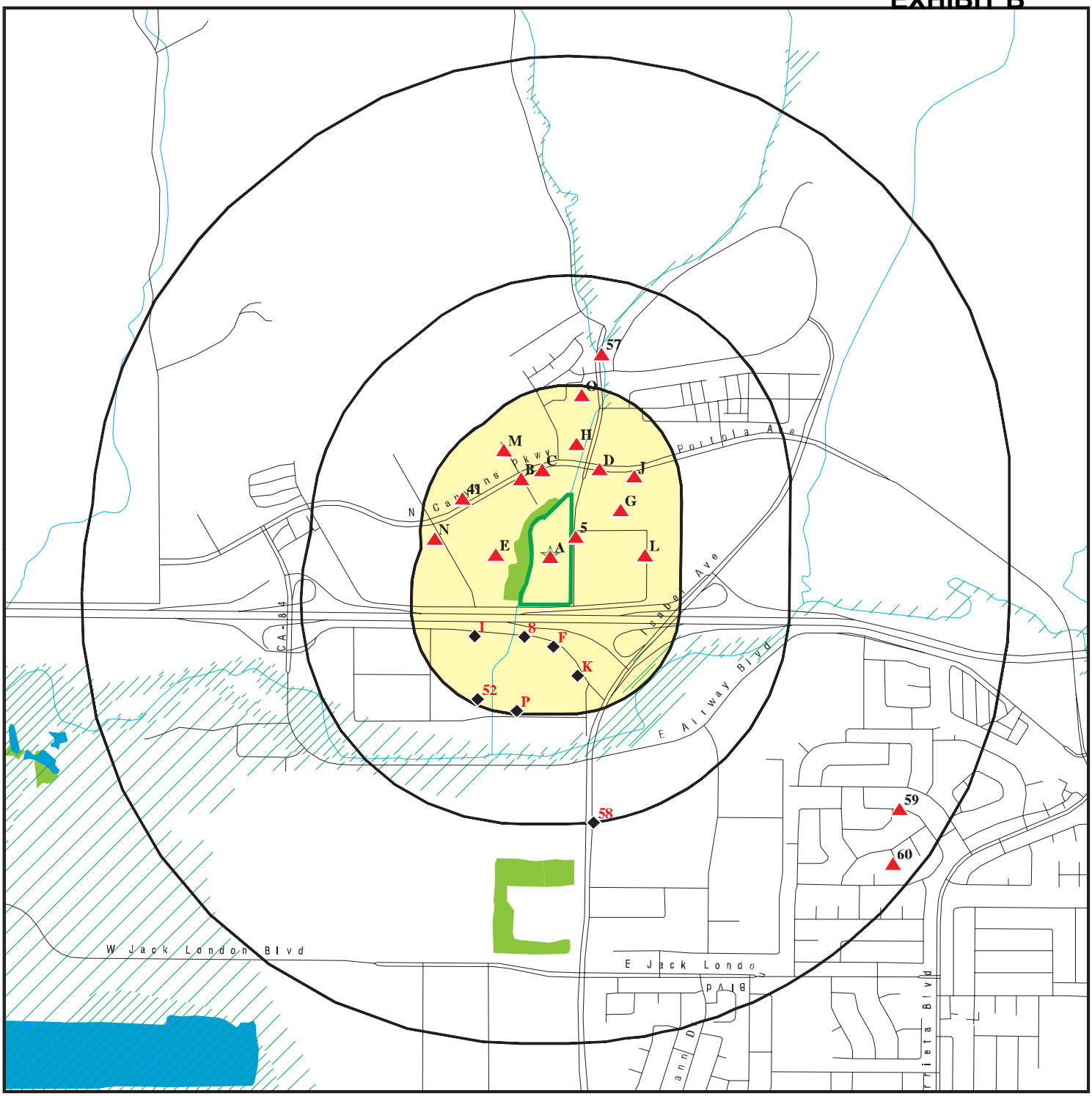
Lower Elevation	Address	Direction / Distance	Map ID	Page
ASSOCIATED CONCRETE	1901 ISABEL AVENUE	S 1/2 - 1 (0.500 mi.)	58	651

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7208710.2S

EXHIBIT B



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 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: Vacant Land	CLIENT: KCE Matrix
ADDRESS: 2620 & 2768 COLLIER CANYON RD Livermore CA 94551	CONTACT: Aram Kaloustian
LAT/LONG: 37.702924 / 121.807036	INQUIRY #: 7208710.2s DATE: December 20, 2022 4:14 pm

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DETAIL MAP - 7208710.2S

EXHIBIT B



0 1/16 1/8 1/4 Miles

- 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
- 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: Vacant Land	CLIENT: KCE Matrix
ADDRESS: 2620 & 2768 COLLIER CANYON RD Livermore CA 94551	CONTACT: Aram Kaloustian
LAT/LONG: 37.702924 / 121.807036	INQUIRY #: 7208710.2s DATE: December 20, 2022 4:15 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								
Lists of Federal NPL (Superfund) sites								
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
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		3	1	NR	NR	NR	4
RCRA-SQG	0.250		2	4	NR	NR	NR	6
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
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	1	NR	1
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	1	1	NR	NR	2
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Alameda County CS	0.500		0	0	1	NR	NR	1
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		3	1	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of 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
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	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
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		4	6	NR	NR	NR	10
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		1	2	NR	NR	NR	3
CA FID UST	0.250		0	1	NR	NR	NR	1

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
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
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		0	NR	NR	NR	NR	0
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	5	3	NR	NR	NR	9
FUDS	1.000		0	0	0	1	NR	1
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
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		4	0	NR	NR	NR	4
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	1	1	NR	NR	2
CUPA Listings	0.250		6	11	NR	NR	NR	17
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
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	1	NR	NR	2
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001	1	0	NR	NR	NR	NR	1
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	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
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		0	NR	NR	NR	NR	0
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
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	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
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 --		5	28	34	4	3	0	74

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A1	**PACIFIC WEST COMMUNITIES, INC.**	**ECHO**	**1026036493**
Target	**2768 COLLIER CANYON RD**		**N/A**
Property	**LIVERMORE, CA 94551**		

Site 1 of 4 in cluster A

Actual:
420 ft.

ECHO:

Envid:	1026036493
Registry ID:	110070677824
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070677824
Name:	PACIFIC WEST COMMUNITIES, INC.
Address:	2768 COLLIER CANYON RD
City,State,Zip:	LIVERMORE, CA 94551

A2	**PACIFIC WEST COMMUNITIES, INC.**	**FINDS**	**1026106645**
Target	**2768 COLLIER CANYON RD**		**N/A**
Property	**LIVERMORE, CA 94551**		

Site 2 of 4 in cluster A

Actual:
420 ft.

FINDS:

Registry ID: 110070677824

Click Here for FRS Facility Detail Report:

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.

A3	**PACIFIC WEST COMMUNITIES, INC.**	**HAZNET**	**S126096982**
Target	**2768 COLLIER CANYON RD**	**HWTS**	**N/A**
Property	**LIVERMORE, CA 94551**		

Site 3 of 4 in cluster A

Actual:
420 ft.

HAZNET:

Name:	PACIFIC WEST COMMUNITIES INC.
Address:	2768 COLLIER CANYON RD
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 83616
Contact:	DON SLATTERY
Telephone:	2084610022
Mailing Name:	Not reported
Mailing Address:	430 E STATE STREET #100
Year:	2019
Gepaid:	CAC003045840
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.92000

PACIFIC WEST COMMUNITIES, INC. (Continued) **S126096982**

HWTS:

Name:	PACIFIC WEST COMMUNITIES, INC.
Address:	2768 COLLIER CANYON RD
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAC003045840
Inactive Date:	03/04/2020
Create Date:	12/04/2019
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	430 E STATE STREET #100
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EAGLE, ID 83616
Owner Name:	PACIFIC WEST COMMUNITIES, INC.
Owner Address:	430 E STATE STREET #100
Owner Address 2:	Not reported
Owner City,State,Zip:	EAGLE, ID 83616
Contact Name:	DON SLATTERY
Contact Address:	430 E STATE STREET #100
Contact Address 2:	Not reported
City,State,Zip:	EAGLE, ID 83616
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	37.704285
Longitude:	-121.8067155

NAICS:

EPA ID:	CAC003045840
Create Date:	2019-12-04 15:49:30.240
NAICS Code:	236220
NAICS Description:	Commercial and Institutional Building Construction
Issued EPA ID Date:	2019-12-04 15:49:30.29000
Inactive Date:	2020-03-04 15:49:30.19300
Facility Name:	PACIFIC WEST COMMUNITIES, INC.
Facility Address:	2768 COLLIER CANYON RD
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945519288

EPA ID:	CAC003045840
Create Date:	2019-12-04 15:49:30.240
NAICS Code:	236220
NAICS Description:	Commercial and Institutional Building Construction
Issued EPA ID Date:	2019-12-04 15:49:30.29000
Inactive Date:	2020-03-04 15:49:30.19300
Facility Name:	PACIFIC WEST COMMUNITIES, INC.
Facility Address:	2768 COLLIER CANYON RD
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945519288

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A4 Target Property	**PACIFIC WEST COMMUNITIES, INC.** **2768 COLLIER CANYON RD** **LIVERMORE, CA 94551**	**RCRA NonGen / NLR**	**1025864993** **CAC003045840**

Site 4 of 4 in cluster A

Actual: 420 ft.

RCRA Listings:

Date Form Received by Agency:	20191204
Handler Name:	PACIFIC WEST COMMUNITIES, INC.
Handler Address:	2768 COLLIER CANYON RD
Handler City,State,Zip:	LIVERMORE, CA 94551-9288
EPA ID:	CAC003045840
Contact Name:	DON SLATTERY
Contact Address:	430 E STATE STREET #100
Contact City,State,Zip:	EAGLE, ID 83616
Contact Telephone:	208-461-0022
Contact Fax:	Not reported
Contact Email:	DSLATTERY@TPCHOUSING.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
State District:	Not reported
Mailing Address:	430 E STATE STREET #100
Mailing City,State,Zip:	EAGLE, ID 83616
Owner Name:	PACIFIC WEST COMMUNITIES, INC.
Owner Type:	Other
Operator Name:	DON SLATTERY
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

PACIFIC WEST COMMUNITIES, INC. (Continued) **1025864993**

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:	20191206
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: DON SLATTERY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	430 E STATE STREET #100
Owner/Operator City,State,Zip:	EAGLE, ID 83616
Owner/Operator Telephone:	208-461-0022
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: PACIFIC WEST COMMUNITIES, INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	430 E STATE STREET #100
Owner/Operator City,State,Zip:	EAGLE, ID 83616
Owner/Operator Telephone:	208-461-0022
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

PACIFIC WEST COMMUNITIES, INC. (Continued) **1025864993**

Historic Generators:
- Receive Date: 20191204
- Handler Name: PACIFIC WEST COMMUNITIES, 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: 236220
- NAICS Description: COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

5
NE
< 1/8
0.011 mi.
60 ft.

CALTROL INC **RCRA NonGen / NLR** **1025873860**
2685 COLLIER CANYON RD **CAL000446988**
LIVERMORE, CA 94551

Relative: Higher

Actual: 423 ft.

RCRA Listings:
- Date Form Received by Agency: 20190625
- Handler Name: CALTROL INC
- Handler Address: 2685 COLLIER CANYON RD
- Handler City,State,Zip: LIVERMORE, CA 94551
- EPA ID: CAL000446988
- Contact Name: JOSEPH SAVOLDI
- Contact Address: 2685 COLLIER CANYON RD
- Contact City,State,Zip: LIVERMORE, CA 94551
- Contact Telephone: 925-344-9235
- Contact Fax: 925-846-0396
- Contact Email: JOE.SAVOLDI@CATROL.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: 1385 PAMA LANE STE 111
- Mailing City,State,Zip: LAS VEGAS, CA 89119
- Owner Name: CALTROL INC

CALTROL INC (Continued) **1025873860**

Owner Type:		Other
Operator Name:	JOSEPH SAVOLDI	
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
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:		20190729
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

CALTROL INC (Continued) **1025873860**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CALTROL INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1385 PAMA LANE STE 111
Owner/Operator City,State,Zip: LAS VEGAS, CA 89119
Owner/Operator Telephone: 702-966-1800
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOSEPH SAVOLDI
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2685 COLLIER CANYON RD
Owner/Operator City,State,Zip: LIVERMORE, CA 94551
Owner/Operator Telephone: 925-344-9235
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190625
Handler Name: CALTROL 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: 425120
NAICS Description: WHOLESALE TRADE AGENTS AND BROKERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
B6	**3055 LIVERMORE OWNER LLC**	**RCRA NonGen / NLR**	**1026827603**
NNW	**3077 TRIAD DR**		**CAL000462573**
< 1/8	**LIVERMORE, CA 94551**		
0.048 mi.			
256 ft.	**Site 1 of 2 in cluster B**		

Relative:
Higher

Actual:
427 ft.

RCRA Listings:

Date Form Received by Agency:		20210518
Handler Name:	3055 LIVERMORE OWNER LLC	
Handler Address:		3077 TRIAD DR
Handler City,State,Zip:		LIVERMORE, CA 94551
EPA ID:		CAL000462573
Contact Name:		YOLANDA DAWAN
Contact Address:		2010 CROW CANYON PL STE 125
Contact City,State,Zip:		SAN RAMON, CA 94583
Contact Telephone:		925-275-9010
Contact Fax:		Not reported
Contact Email:		YOLANDA.DAWAN@NGKF.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
State District:		Not reported
Mailing Address:		2010 CROW CANYON PL STE 125
Mailing City,State,Zip:		SAN RAMON, CA 94583
Owner Name:	3055 LIVERMORE OWNER LLC	
Owner Type:		Other
Operator Name:	YOLANDA DAWAN	
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

3055 LIVERMORE OWNER LLC (Continued) **1026827603**

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:	20210521
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: 3055 LIVERMORE OWNER LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2010 CROW CANYON PL STE 125
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-275-9010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: YOLANDA DAWAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2010 CROW CANYON PL STE 125
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-275-9010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

3055 LIVERMORE OWNER LLC (Continued) **1026827603**

Historic Generators:
Receive Date: 20210518
Handler Name: 3055 LIVERMORE OWNER LLC
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: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 711310
NAICS Description: PROMOTERS OF PERFORMING ARTS, SPORTS, AND SIMILAR EVENTS WITH FACILITIES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C7 **ZONE 7 WATER AGENCY, ADMINISTRATION/LABORATORY** **CUPA Listings** **S120761735**
North **100 NORTH CANYONS PARKWAY** **N/A**
< 1/8 **LIVERMORE, CA**
0.052 mi.
273 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**
Actual: **430 ft.**

CUPA LIVERMORE-PLEASANTON:
CERS ID: 10398571
Name: ZONE 7 WATER AGENCY, ADMINISTRATION/LABORATORY
Address: 100 NORTH CANYONS PARKWAY
City,State,Zip: LIVERMORE, CA
Status: Active
Permit List: Hazardous Materials Business Plan/

---

8 **AST** **A100336880**
SSW **2304 KITTYHAWK RD.** **N/A**
< 1/8 **LIVERMORE, CA**
0.073 mi.
386 ft.

Relative: **Lower**
Actual: **413 ft.**

AST:
Name: Not reported
Address: 2304 KITTYHAWK RD.
City/Zip: LIVERMORE,
Certified Unified Program Agencies: Livermore-Pleasanton
Owner: Livermore Auto Grp - Chrysler
Total Gallons: 1,715
CERSID: Not reported

MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

(Continued) **A100336880**

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

D9 **LAM RESEARCH CORPORATION - LIVERMORE CAMPUS** **RCRA-SQG** **1014387909**
NNE **1 PORTOLA AVE** **FINDS** **CAR000215442**
< 1/8 **LIVERMORE, CA 94551** **ECHO**
0.080 mi. **HAZNET**
423 ft. **Site 1 of 5 in cluster D** **NPDES**
CIWQS
Relative: Higher **CERS**
HWTS
Actual: 428 ft.

RCRA Listings:

Date Form Received by Agency:	20170412
Handler Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Handler Address:	1 PORTOLA AVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000215442
Contact Name:	DINA C SCHILLER
Contact Address:	CUSHING BLVD
Contact City,State,Zip:	FREMONT, CA 94538
Contact Telephone:	510-572-3840
Contact Fax:	Not reported
Contact Email:	DINA.SCHILLER@LAMRESEARCH.COM
Contact Title:	SR EHS MGR
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:	CUSHING BLVD
Mailing City,State,Zip:	FREMONT, CA 94538
Owner Name:	LAM RESEARCH CORP

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Owner Type:	Private
Operator Name:	LAM RESEARCH CORPORATION
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:	20170503
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: LAM RESEARCH CORP
Legal Status: Private
Date Became Current: 20000101
Date Ended Current: Not reported
Owner/Operator Address: 4650 CUSHING BLVD
Owner/Operator City,State,Zip: FREMONT, CA 94538
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: LAM RESEARCH CORP
Legal Status: Private
Date Became Current: 20100101
Date Ended Current: Not reported
Owner/Operator Address: 4650 CUSHING BLVD
Owner/Operator City,State,Zip: FREMONT, CA 94538
Owner/Operator Telephone: 510-572-3840
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LAM RESEARCH CORPORATION
Legal Status: Private
Date Became Current: 20000101
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: LAM RESEARCH CORPORATION
Legal Status: Private
Date Became Current: 20100101
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20101201
Handler Name: LAM RESEARCH CORPORATION
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: 20170412
Handler Name: LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
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: 333295
NAICS Description: SEMICONDUCTOR MACHINERY MANUFACTURING

NAICS Code: 333318
NAICS Description: OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110043233391

Click Here for FRS Facility Detail Report:

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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

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:	1014387909
Registry ID:	110043233391
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110043233391
Name:	LAM RESEARCH CORPORATION
Address:	1 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551

HAZNET:

Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	1 PORTOLA AVE
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945510000
Contact:	KEVIN LLOYD
Telephone:	5104029858
Mailing Name:	Not reported
Mailing Address:	4650 CUSHING PKWY
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
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:	0.5205
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NVT330010000
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0205
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NED981723513
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.446
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.025

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Year: 2021
Gepaid: CAR000215442
TSD EPA ID: NMD002208627
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: 0.0055

Year: 2021
Gepaid: CAR000215442
TSD EPA ID: NMD002208627
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0115

Year: 2021
Gepaid: CAR000215442
TSD EPA ID: NMD002208627
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.033

Year: 2020
Gepaid: CAR000215442
TSD EPA ID: NMD002208627
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0275

Year: 2020
Gepaid: CAR000215442
TSD EPA ID: NMD002208627
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: 0.1875

Year: 2020
Gepaid: CAR000215442
TSD EPA ID: NMD002208627
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0325

Click this hyperlink while viewing on your computer to access
52 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:
Year: 2020
EM Manifest ID: 80239981-fe44-422e-a970-8f078f807e19
Shipment Date: 6/1/2020
Receipt Date: 6/10/2020

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Manifest Number:	014742729FLE
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	PORTOLA AVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	888-785-7225
Contact:	DINA C SCHILLER
Contact Telephone:	510-572-3840
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NMD002208627
TSDF Name:	ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1:	EDITH BLVD NE
TSDF Address 2:	Not reported
TSDF City:	ALBUQUERQUE
TSDF Zip:	87107
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.14800
Quantity Waste:	296.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.14800
Quantity Waste:	296.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Line Number:	2
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.03150
Quantity Waste:	63.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Generator EPA ID: CAR000215442
Shipment Date: 2020-06-01
Manifest Number: 014742729FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.02550
Quantity Waste: 51.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID: CAR000215442
Shipment Date: 2020-06-01
Manifest Number: 014742729FLE
Line Number: 8
Method Code: H141
Quantity Tons: 0.00450
Quantity Waste: 9.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2020
EM Manifest ID: 80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID: CAR000215442
Shipment Date: 2020-06-01
Manifest Number: 014742729FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.14800
Quantity Waste: 296.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID: CAR000215442
Shipment Date: 2020-06-01
Manifest Number: 014742729FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00450
Quantity Waste: 9.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

State Code: 551

Year: 2020
EM Manifest ID: 80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID: CAR000215442
Shipment Date: 2020-06-01
Manifest Number: 014742729FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01950
Quantity Waste: 39.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 551

Year: 2020
EM Manifest ID: 80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID: CAR000215442
Shipment Date: 2020-06-01
Manifest Number: 014742729FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.03150
Quantity Waste: 63.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 551

Year: 2020
EM Manifest ID: 80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID: CAR000215442
Shipment Date: 2020-06-01
Manifest Number: 014742729FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.01800
Quantity Waste: 36.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 551

Year: 2020
EM Manifest ID: 80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID: CAR000215442
Shipment Date: 2020-06-01
Manifest Number: 014742729FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.02550
Quantity Waste: 51.000000
Quantity Unit: P

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.02400
Quantity Waste:	48.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2020
EM Manifest ID:	f7b9306c-e63b-4cd6-9c79-336466f51033
Shipment Date:	10/28/2020
Receipt Date:	11/6/2020
Manifest Number:	015425798FLE
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	PORTOLA AVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	888-785-7225
Contact:	DINA C SCHILLER
Contact Telephone:	510-572-3840
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NMD002208627
TSDF Name:	ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1:	EDITH BLVD NE

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

TSDF Address 2: Not reported
TSDF City: ALBUQUERQUE
TSDF Zip: 87107
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: f7b9306c-e63b-4cd6-9c79-336466f51033
Generator EPA ID: CAR000215442
Shipment Date: 2020-10-28
Manifest Number: 015425798FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Detail Two:
Year: 2019
EM Manifest ID: 746560
Shipment Date: 9/30/2019
Receipt Date: 10/11/2019
Manifest Number: 013779090FLE
Generator EPA ID: CAR000215442
Name: LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address: 1 PORTOLA AVE
Address 2: Not reported
City: LIVERMORE
Zip: 94551
Telephone: 888-785-7225
Contact: Not reported
Contact Telephone: 510-572-3840
Transporter 1 EPA ID: CAR000070540
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000154740
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NMD002208627
TSDF Name: ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1: 6133 EDITH BLVD NE
TSDF Address 2: Not reported
TSDF City: ALBUQUERQUE
TSDF Zip: 87107
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 746560
Generator EPA ID: CAR000215442
Shipment Date: 2019-09-30
Manifest Number: 013779090FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.02050

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Quantity Waste: 41.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 746560
Generator EPA ID: CAR000215442
Shipment Date: 2019-09-30
Manifest Number: 013779090FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00850
Quantity Waste: 17.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 746560
Generator EPA ID: CAR000215442
Shipment Date: 2019-09-30
Manifest Number: 013779090FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.02050
Quantity Waste: 41.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 746560
Generator EPA ID: CAR000215442
Shipment Date: 2019-09-30
Manifest Number: 013779090FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00850
Quantity Waste: 17.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 746560
Generator EPA ID: CAR000215442
Shipment Date: 2019-09-30

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Manifest Number:	013779090FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30
Manifest Number:	013779090FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30
Manifest Number:	013779090FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	361329
Shipment Date:	7/24/2018
Receipt Date:	8/7/2018
Manifest Number:	000220890DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	1 PORTOLA AVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	510-572-3840
Transporter 1 EPA ID:	MNS000110924

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGMENT OF NEVADA, LLC.
TSDF Address 1: 2095 NEWLANDS DRIVE EAST
TSDF Address 2: Not reported
TSDF City: FERNLEY
TSDF Zip: 89408
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 361329
Generator EPA ID: CAR000215442
Shipment Date: 2018-07-24
Manifest Number: 000220890DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 513

Year: 2019
EM Manifest ID: 750505
Shipment Date: 7/22/2019
Receipt Date: 8/9/2019
Manifest Number: 013812337FLE
Generator EPA ID: CAR000215442
Name: LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address: 1 PORTOLA AVE
Address 2: Not reported
City: LIVERMORE
Zip: 94551
Telephone: 888-785-7225
Contact: Not reported
Contact Telephone: 510-572-3840
Transporter 1 EPA ID: CAR000070540
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000154740
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NMD002208627
TSDF Name: ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1: 6133 EDITH BLVD NE
TSDF Address 2: Not reported
TSDF City: ALBUQUERQUE
TSDF Zip: 87107
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 750505
Generator EPA ID: CAR000215442

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 413292
Shipment Date: 1/8/2019
Receipt Date: 2/7/2019
Manifest Number: 000231476DAT
Generator EPA ID: CAR000215442
Name: LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address: 1 PORTOLA AVE
Address 2: Not reported
City: LIVERMORE
Zip: 94551
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 510-572-5218
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGMENT OF NEVADA, LLC.
TSDF Address 1: 2095 NEWLANDS DRIVE EAST
TSDF Address 2: Not reported
TSDF City: FERNLEY
TSDF Zip: 89408
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 413292
Generator EPA ID: CAR000215442
Shipment Date: 2019-01-08
Manifest Number: 000231476DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.02350
Quantity Waste: 47.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 413292
Generator EPA ID: CAR000215442
Shipment Date: 2019-01-08
Manifest Number: 000231476DAT
Line Number: 3
Method Code: H141
Quantity Tons: 0.00000
Quantity Waste: 0.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Quantity Type: Pounds
State Code: 513

Year: 2019
EM Manifest ID: 413292
Generator EPA ID: CAR000215442
Shipment Date: 2019-01-08
Manifest Number: 000231476DAT
Line Number: 4
Method Code: H141
Quantity Tons: 0.00850
Quantity Waste: 17.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Detail Two:
Year: 2018
EM Manifest ID: 000190558DAT20170822_D_1
Shipment Date: 8/22/2017
Receipt Date: 8/30/2017
Manifest Number: 000190558DAT
Generator EPA ID: CAR000215442
Name: LAM RESEARCH
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 000190558DAT20170822_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-08-22
Manifest Number: 000190558DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 343

Year: 2018
EM Manifest ID: 011003239FLE20170726_D_1
Shipment Date: 7/26/2017
Receipt Date: 8/14/2017
Manifest Number: 011003239FLE
Generator EPA ID: CAR000215442
Name: LAM RESEARCH COMPANY
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000070540
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: ALR000007237
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NMD002208627
TSDF Name: ADVANCED CHEMICAL TREATMENT
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 011003239FLE20170726_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-07-26
Manifest Number: 011003239FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 011003239FLE20170726_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-07-26
Manifest Number: 011003239FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

Year: 2018
EM Manifest ID: 011003239FLE20170726_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-07-26
Manifest Number: 011003239FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.01250
Quantity Waste: 25.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 011003239FLE20170726_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-07-26
Manifest Number: 011003239FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.07050
Quantity Waste: 141.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 011003239FLE20170726_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-07-26
Manifest Number: 011003239FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.07050
Quantity Waste: 141.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

State:
Year: 2018
EM Manifest ID: 011003239FLE20170726_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-07-26
Manifest Number: 011003239FLE
Line Number: 1

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	212

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.07050
Quantity Waste:	141.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Shipment Date:	6/26/2018
Receipt Date:	7/23/2018
Manifest Number:	000220539DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 000220539DAT20180626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2018-06-26
Manifest Number: 000220539DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D009

Year: 2018
EM Manifest ID: 000220539DAT20180626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2018-06-26
Manifest Number: 000220539DAT
Line Number: 4
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 000220539DAT20180626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2018-06-26
Manifest Number: 000220539DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 343

Year: 2018

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03900
Quantity Waste:	78.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

State Code: 352

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Shipment Date: 6/26/2017
Receipt Date: 7/10/2017
Manifest Number: 010891483FLE
Generator EPA ID: CAR000215442
Name: LAM RESEARCH COMPANY
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000070540
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD981552177
TSDF Name: CLEAN HARBORS ARAGONITE LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 2
Method Code: H040
Quantity Tons: 0.06300
Quantity Waste: 126.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Federal Code: D001

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 2
Method Code: H040
Quantity Tons: 0.06300
Quantity Waste: 126.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 5
Method Code: H040
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D003

State:

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 2
Method Code: H040
Quantity Tons: 0.06300
Quantity Waste: 126.000000

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 3
Method Code: H040
Quantity Tons: 0.02800
Quantity Waste: 56.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 4
Method Code: H040
Quantity Tons: 0.04250
Quantity Waste: 85.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 010891483FLE20170626_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-06-26
Manifest Number: 010891483FLE
Line Number: 5
Method Code: H040
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 010888844FLE20170619_D_1
Shipment Date: 6/19/2017
Receipt Date: 7/17/2017
Manifest Number: 010888844FLE

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH COMPANY
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	TXD982290140
TSDF Name:	CLEAN HARBORS LA PORTE LP
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010888844FLE20170619_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-19
Manifest Number:	010888844FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000171339DAT20170509_D_1
Shipment Date:	5/9/2017
Receipt Date:	5/17/2017
Manifest Number:	000171339DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 000171339DAT20170509_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-05-09
Manifest Number: 000171339DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 000171339DAT20170509_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-05-09
Manifest Number: 000171339DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.00340
Quantity Waste: 1.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 343

Year: 2018
EM Manifest ID: 000171339DAT20170509_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2017-05-09
Manifest Number: 000171339DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 000221680DAT20180529_D_1
Shipment Date: 5/29/2018

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Receipt Date:	6/27/2018
Manifest Number:	000221680DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Shipment Date:	5/1/2018
Receipt Date:	5/23/2018
Manifest Number:	000205866DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-01
Manifest Number:	000205866DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-01
Manifest Number:	000205866DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	513

Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-01
Manifest Number:	000205866DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-01
Manifest Number:	000205866DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018
EM Manifest ID:	000205564DAT20180403_D_1
Shipment Date:	4/3/2018
Receipt Date:	4/18/2018
Manifest Number:	000205564DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	000205564DAT20180403_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-04-03
Manifest Number:	000205564DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

State:

Year:	2018
EM Manifest ID:	000205564DAT20180403_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-04-03
Manifest Number:	000205564DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135

Year:	2018
EM Manifest ID:	000205564DAT20180403_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-04-03
Manifest Number:	000205564DAT
Line Number:	2
Method Code:	H070
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	NULL
Quantity Type:	NULL
State Code:	141

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Shipment Date:	3/6/2018
Receipt Date:	3/16/2018
Manifest Number:	000206742DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Federal:

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06
Manifest Number:	000206742DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06
Manifest Number:	000206742DAT
Line Number:	3
Method Code:	H121
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06
Manifest Number:	000206742DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06
Manifest Number:	000206742DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 135

Year: 2018
EM Manifest ID: 000206742DAT20180306_D_1
Generator EPA ID: CAR000215442
Shipment Date: 2018-03-06
Manifest Number: 000206742DAT
Line Number: 3
Method Code: H121
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: NULL
Quantity Type: NULL
State Code: 122

Additional Info:
Year: 2017
Gen EPA ID: CAR000215442

Shipment Date: 20171212
Creation Date: 10/10/2018 18:30:23
Receipt Date: 20171226
Manifest ID: 000191358DAT
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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: - Not reported
Quantity Tons: 0.0025
Waste Quantity: 5
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: 20171212
Creation Date: 10/10/2018 18:30:23
Receipt Date: 20171226
Manifest ID: 000191358DAT
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0034
Waste Quantity:	1
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:	20171206
Creation Date:	10/29/2018 18:30:22
Receipt Date:	20180103
Manifest ID:	011588814FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	TXD982290140
Trans Name:	CLEAN HARBORS LA PORTE LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H129 - Other Treatment
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

Shipment Date:	20170822
Creation Date:	7/30/2018 18:30:10
Receipt Date:	20170830
Manifest ID:	000190558DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
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:	20170811
Creation Date:	7/6/2018 18:30:59
Receipt Date:	20170901
Manifest ID:	010996704FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	76
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:	7/25/2018 18:30:29
Receipt Date:	20170814
Manifest ID:	011003239FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170726
Creation Date:	7/25/2018 18:30:29
Receipt Date:	20170814
Manifest ID:	011003239FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0705
Waste Quantity:	141
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:	20170726
Creation Date:	7/25/2018 18:30:29
Receipt Date:	20170814
Manifest ID:	011003239FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
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
Shipment Date:	20170626
Creation Date:	9/27/2018 18:30:17
Receipt Date:	20170710
Manifest ID:	010891483FLE

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
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:	D035
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.063
Waste Quantity:	126
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:	20170626
Creation Date:	9/27/2018 18:30:17
Receipt Date:	20170710
Manifest ID:	010891483FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
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:	0.0055
Waste Quantity:	11
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:	CAR000215442

Shipment Date:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
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:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
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:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

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
Shipment Date:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	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:	20150206
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150219
Manifest ID:	008245880FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Additional Code 5: Not reported

Shipment Date: 20150206
Creation Date: 5/18/2015 22:15:25
Receipt Date: 20150219
Manifest ID: 008245880FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE 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: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

Additional Info:
Year: 2015
Gen EPA ID: CAR000215442

Shipment Date: 20151214
Creation Date: 6/8/2016 18:32:50
Receipt Date: 20151229
Manifest ID: 008958287FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.06
Waste Quantity: 120
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: 20151214

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
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:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
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

Shipment Date:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	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:	20150206
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150219
Manifest ID:	008245880FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
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:	20150206
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150219
Manifest ID:	008245880FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

	Treatment/Reovery (H010-H129) Or (H131-H135)
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

Additional Info:

Year:	2014
Gen EPA ID:	CAR000215442
Shipment Date:	20140826
Creation Date:	11/1/2014 22:15:05
Receipt Date:	20140908
Manifest ID:	007906218FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
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:	20140826
Creation Date:	11/1/2014 22:15:05
Receipt Date:	20140908
Manifest ID:	007906218FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

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:	20140110
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140123
Manifest ID:	007141688FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
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:	20140110
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140123
Manifest ID:	007141688FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Additional Info:

Year:	2013
Gen EPA ID:	CAR000215442
Shipment Date:	20130118
Creation Date:	7/6/2013 22:15:05
Receipt Date:	20130201
Manifest ID:	006019859FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
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:	20130118
Creation Date:	7/6/2013 22:15:05
Receipt Date:	20130201
Manifest ID:	006019859FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
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:	2012

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Gen EPA ID:	CAR000215442
Shipment Date:	20120514
Creation Date:	8/16/2012 22:15:19
Receipt Date:	20120521
Manifest ID:	005167451FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
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:	20120514
Creation Date:	8/16/2012 22:15:19
Receipt Date:	20120521
Manifest ID:	005167451FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	0.002
Waste Quantity:	4
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:	20120514
Creation Date:	8/16/2012 22:15:19
Receipt Date:	20120521
Manifest ID:	005167451FLE
Trans EPA ID:	MNS000110924

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
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:	20120514
Creation Date:	8/16/2012 22:15:19
Receipt Date:	20120521
Manifest ID:	005167451FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
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

NPDES:

Name:	LAM RESEARCH CORPORATION LIVERMORE CAMPUS
Address:	1 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94550
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	457265
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 01NEC000832

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/30/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	4650 Cushing Parkway
Discharge Name:	Lam Research Corp
Discharge City:	Fremont
Discharge State:	California
Discharge Zip:	94538
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:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	457265
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 01NEC000832
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:	09/21/2015
Processed Date:	09/30/2015
Status:	Active
Status Date:	09/30/2015
Place Size:	7
Place Size Unit:	Acres
Contact:	Jacque Fernstrom
Contact Title:	Site EHS Engineer
Contact Phone:	510-572-6686
Contact Phone Ext:	Not reported
Contact Email:	jacque.fernstrom@lamresearch.com
Operator Name:	Lam Research Corp
Operator Address:	4650 Cushing Parkway
Operator City:	Fremont
Operator State:	California
Operator Zip:	94538
Operator Contact:	Dina Schiller
Operator Contact Title:	Sr. EHS Manager
Operator Contact Phone:	510-572-3840

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Operator Contact Phone Ext:	Not reported
Operator Contact Email:	dina.schiller@lamresearch.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:	510-572-5555
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:	N
Receiving Water Name:	Arroyo Las Positas Creek
Certifier:	Tom Cooper
Certifier Title:	Senior EHS Manager
Certification Date:	04-OCT-16
Primary Sic:	3559-Special Industry Machinery, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	457265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 01NEC000832
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/30/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Lam Research Corp
Discharge Address:	4650 Cushing Parkway
Discharge City:	Fremont
Discharge State:	California
Discharge Zip:	94538

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Name:	LAM RESEARCH CORPORATION LIVERMORE CAMPUS
Address:	1 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94550
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 01NEC000832
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:	09/30/2015
Operator Name:	Lam Research Corp
Operator Address:	4650 Cushing Parkway
Operator City:	Fremont
Operator State:	California
Operator Zip:	94538

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	457265
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 01NEC000832
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:	09/21/2015
Processed Date:	09/30/2015
Status:	Active
Status Date:	09/30/2015
Place Size:	7
Place Size Unit:	Acres
Contact:	Jacque Fernstrom
Contact Title:	Site EHS Engineer

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Contact Phone:	510-572-6686
Contact Phone Ext:	Not reported
Contact Email:	jacque.fernstrom@lamresearch.com
Operator Name:	Lam Research Corp
Operator Address:	4650 Cushing Parkway
Operator City:	Fremont
Operator State:	California
Operator Zip:	94538
Operator Contact:	Dina Schiller
Operator Contact Title:	Sr. EHS Manager
Operator Contact Phone:	510-572-3840
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	dina.schiller@lamresearch.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:	510-572-5555
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:	N
Receiving Water Name:	Arroyo Las Positas Creek
Certifier:	Tom Cooper
Certifier Title:	Senior EHS Manager
Certification Date:	04-OCT-16
Primary Sic:	3559-Special Industry Machinery, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	457265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

WDID:	2 01NEC000832
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/30/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Lam Research Corp
Discharge Address:	4650 Cushing Parkway
Discharge City:	Fremont
Discharge State:	California
Discharge Zip:	94538
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

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

CIWQS:

Name:	LAM RESEARCH CORPORATION LIVERMORE CAMPUS
Address:	1 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94550
Agency:	Lam Research Corp
Agency Address:	4650 Cushing Parkway M/S CA7/101, Fremont, CA 94538
Place/Project Type:	Industrial - Special Industry Machinery, NEC
SIC/NAICS:	3559
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 01NEC000832
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	09/30/2015
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:	37.704511
Longitude:	-121.805099

CERS:

Name:	LAM RESEARCH CORPORATION
Address:	1 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	476806
CERS ID:	110043233391
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Dina Schiller
Entity Title:	Not reported
Affiliation Address:	4650 CUSHING PARKWAYNA M/S CA7-101
Affiliation City:	FREMONT
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: LAM RESEARCH
Entity Title: OPERATOR
Affiliation Address: 4650 CUSHING PARKWAY
Affiliation City: FREMONT
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: SCOTT THOMAS
Entity Title: DIRECTOR - GLOBAL REAL ESTATE AND FACILI
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: EUMY HUNG
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 4650 CUSHING PARKWAY
Affiliation City: FREMONT
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: LAM RESEARCH
Entity Title: OWNER
Affiliation Address: 4650 CUSHING PARKWAY
Affiliation City: FREMONT
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: LAM RESEARCH CORPORATION LIVERMORE CAMPUS
Address: 1 PORTOLA AVENUE
City,State,Zip: LIVERMORE, CA 94550
Site ID: 535369
CERS ID: 836841
CERS Description: Industrial Facility Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Lam Research Corp
Entity Title: Operator
Affiliation Address: 4650 Cushing ParkwayM/S CA7/101
Affiliation City: Fremont
Affiliation State: CA
Affiliation Country: Not reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS (Continued) **1014387909**

Affiliation Zip: 94538
Affiliation Phone: ,

HWTS:
Name: LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address: 1 PORTOLA AVE
Address 2: Not reported
City,State,Zip: LIVERMORE, CA 94551
EPA ID: CAR000215442
Inactive Date: Not reported
Create Date: 12/28/2010
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 4650 CUSHING PKWY
Mailing Address 2: Not reported
Mailing City,State,Zip: FREMONT, CA 945386401
Owner Name: LAM RESEARCH CORP.
Owner Address: 4650 CUSHING PKWY
Owner Address 2: Not reported
Owner City,State,Zip: FREMONT, CA 945386401
Contact Name: KEVIN LLOYD
Contact Address: 4650 CUSHING PARKWAY
Contact Address 2: Not reported
City,State,Zip: FREMONT, CA 94538
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 37.704708
Longitude: -121.8050415

NAICS:
EPA ID: CAR000215442
Create Date: 2011-10-26 15:19:37.000
NAICS Code: 333319
NAICS Description: Other Commercial and Service Industry Machinery Manufacturing
Issued EPA ID Date: 2010-12-28 08:38:14.99300
Inactive Date: Not reported
Facility Name: LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Facility Address: 1 PORTOLA AVE
Facility Address 2: Not reported
Facility City: LIVERMORE
Facility County: Not reported
Facility State: CA
Facility Zip: 945510000

D10 **LAM RESEARCH CORPORATION (CA31)** **CERS HAZ WASTE** **S121784171**
NNE **1 PORTOLA AVE** **CERS** **N/A**
< 1/8 **LIVERMORE, CA 94551**
0.080 mi.
423 ft. **Site 2 of 5 in cluster D**

Relative:
Higher

Actual:
428 ft.

CERS HAZ WASTE:
Name: LAM RESEARCH CORPORATION (CA31)
Address: 1 PORTOLA AVE
City,State,Zip: LIVERMORE, CA 94551
Site ID: 43311

LAM RESEARCH CORPORATION (CA31) (Continued) **S121784171**

CERS ID: 10408270
CERS Description: Hazardous Waste Generator

CERS:
Name: LAM RESEARCH CORPORATION (CA31)
Address: 1 PORTOLA AVE
City,State,Zip: LIVERMORE, CA 94551
Site ID: 43311
CERS ID: 10408270
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-10-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-25-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

LAM RESEARCH CORPORATION (CA31) (Continued) **S121784171**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-26-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-26-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-10-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-30-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2015
Violations Found: No

LAM RESEARCH CORPORATION (CA31) (Continued) **S121784171**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-25-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 43311
Facility Name: Lam Research Corporation (CA31)
Env Int Type Code: HWG
Program ID: 10408270
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.704710
Longitude: -121.805050

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4650 Cushing Parkway, M/S CA6-101
Affiliation City: Fremont
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94538
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Lam Research Corporation
Entity Title: Not reported
Affiliation Address: 4650 Cushing Parkway
Affiliation City: Fremont
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94538
Affiliation Phone: (510) 572-0200,

Affiliation Type Desc: Property Owner
Entity Name: MUFG Americas Capital Leasing and Finance, Inc.
Entity Title: Not reported
Affiliation Address: 445 S. Figueroa St. G14-200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90071
Affiliation Phone: (213) 236-6444,

LAM RESEARCH CORPORATION (CA31) (Continued) **S121784171**

Affiliation Type Desc:	Document Preparer
Entity Name:	Eumy Hung
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:	,

Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,

Affiliation Type Desc:	Identification Signer
Entity Name:	Jacque Fernstrom
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Lam Research 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:	(510) 572-0200,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Jacque Fernstrom
Entity Title:	Not reported
Affiliation Address:	1 Portola Avenue
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Lam Research
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

LAM RESEARCH CORPORATION (CA31) (Continued) **S121784171**

Affiliation Zip: Not reported
Affiliation Phone: ,

D11
NNE
< 1/8
0.080 mi.
423 ft.

LAM RESEARCH CORPORATION **CUPA Listings** **S120761776**
1 PORTOLA AVENUE **N/A**
LIVERMORE, CA

Site 3 of 5 in cluster D

Relative:
Higher

Actual:
428 ft.

CUPA LIVERMORE-PLEASANTON:
CERS ID: 10408270
Name: LAM RESEARCH CORPORATION
Address: 1 PORTOLA AVENUE
City,State,Zip: LIVERMORE, CA
Status: Active
Permit List: Hazardous Materials Business Plan/Hazardous Waste Generator/

C12
North
< 1/8
0.081 mi.
427 ft.

AT&T CALIFORNIA - PE321 **CUPA Listings** **S127392495**
198 N CANYONS PKWY **CERS** **N/A**
LIVERMORE, CA 94551

Site 2 of 2 in cluster C

Relative:
Higher

Actual:
434 ft.

CUPA LIVERMORE-PLEASANTON:
CERS ID: 10863655
Name: AT&T CALIFORNIA - PE321
Address: 198 NORTH CANYONS PARKWAY
City,State,Zip: LIVERMORE, CA
Status: Active
Permit List: Hazardous Materials Business Plan/

CERS:
Name: AT&T CALIFORNIA - PE321
Address: 198 N CANYONS PKWY
City,State,Zip: LIVERMORE, CA 94551
Site ID: 571818
CERS ID: 10863655
CERS Description: Chemical Storage Facilities

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: AT&T EH&S Hotline - Option #1
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75202
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

AT&T CALIFORNIA - PE321 (Continued) **S127392495**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Bell Telephone Company dba AT&T California
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712,
Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, 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:	,
Affiliation Type Desc:	Operator
Entity Name:	AT&T California

AT&T CALIFORNIA - PE321 (Continued) **S127392495**

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:	(800) 566-9347,

E13 **EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DES** **RCRA-LQG** **1014387138**
West **2441 CONSTITUTION DRIVE** **CAR000205922**
< 1/8 **LIVERMORE, CA 94551**
0.082 mi.
431 ft. **Site 1 of 5 in cluster E**

Relative: **Higher**

Actual: **421 ft.**

RCRA Listings:

Date Form Received by Agency:	20180730
Handler Name:	EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, INC.
Handler Address:	2441 CONSTITUTION DRIVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000205922
Contact Name:	JULIE HILL
Contact Address:	CONSTITUTION DRIVE
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	608-395-3770
Contact Fax:	925-371-8085
Contact Email:	LORI.NICHOLSON@COVANCE.COM
Contact Title:	VP CHEMISTRY
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:	CONSTITUTION DRIVE
Mailing City,State,Zip:	LIVERMORE, CA 94551
Owner Name:	COVANCE LABORATORIES, LLC
Owner Type:	Private
Operator Name:	EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, 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

EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, IN (Continued) **1014387138**

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:	20180731
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

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, IN (Continued) **1014387138**

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

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: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U236
Waste Description: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE

Handler - Owner Operator:
Owner/Operator Indicator: Operator

EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, IN (Continued) **1014387138**

Owner/Operator Name: THE NATIONAL FOOD LABORATORY, LLC
Legal Status: Private
Date Became Current: 20080621
Date Ended Current: Not reported
Owner/Operator Address: 1300 INDUSTRIAL ROAD SUITE 2
Owner/Operator City,State,Zip: SAN CARLOS, CA 94551
Owner/Operator Telephone: 650-596-8950
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: THE NATIONAL FOOD LABORATORY INC
Legal Status: Private
Date Became Current: 20080621
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: LYELL FORK, LLC
Legal Status: Private
Date Became Current: 20080501
Date Ended Current: Not reported
Owner/Operator Address: 1300 INDUSTRIAL ROAD SUITE 2
Owner/Operator City,State,Zip: SAN CARLOS, CA 94070
Owner/Operator Telephone: 650-596-8950
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LYELL FORK LLC
Legal Status: Private
Date Became Current: 20080501
Date Ended Current: Not reported
Owner/Operator Address: 1300 INDUSTRIAL RD
Owner/Operator City,State,Zip: SAN CARLOS, CA 94070
Owner/Operator Telephone: 650-596-8950
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, INC.
Legal Status: Private
Date Became Current: 20180801
Date Ended Current: Not reported
Owner/Operator Address: 2441 CONSTITUTION DRIVE
Owner/Operator City,State,Zip: LIVERMORE, CA 94551
Owner/Operator Telephone: 608-395-3770
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, IN (Continued) **1014387138**

Owner/Operator Email: LORI.NICHOLSON@COVANCE.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: THE NATIONAL FOOD LABORATORY LLC
Legal Status: Private
Date Became Current: 20080621
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: COVANCE LABORATORIES, LLC
Legal Status: Private
Date Became Current: 20151018
Date Ended Current: Not reported
Owner/Operator Address: 210 CARNEGIE CENTER
Owner/Operator City,State,Zip: PRINCETON, NJ 08540
Owner/Operator Telephone: 609-452-4440
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LYELL FORK LLC
Legal Status: Private
Date Became Current: 20080501
Date Ended Current: Not reported
Owner/Operator Address: 1300 INDUSTRIAL RD
Owner/Operator City,State,Zip: SAN CARLOS, CA 94070
Owner/Operator Telephone: 650-596-8950
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COVANCE LABORATORIES, LLC
Legal Status: Private
Date Became Current: 20151018
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: COVANCE LABORATORIES, LLC
Legal Status: Private
Date Became Current: 20151018
Date Ended Current: Not reported
Owner/Operator Address: 210 CARNEGIE CENTER
Owner/Operator City,State,Zip: PRINCETON, NJ 08540

EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, IN (Continued) **1014387138**

Owner/Operator Telephone: 609-452-4440
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20120315
Handler Name: THE NATIONAL FOOD LABORATORY, 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
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: 20160625
Handler Name: NATIONAL FOOD LABORATORY, 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
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: 20100302
Handler Name: THE NATIONAL FOOD LABORATORY 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: 20150514
Handler Name: THE NATIONAL FOOD LABORATORY 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
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

EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, IN (Continued) **1014387138**

Receive Date: 20180730
Handler Name: EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, 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: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 54138
NAICS Description: TESTING LABORATORIES AND SERVICES

NAICS Code: 54171
NAICS Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E14
West
< 1/8
0.082 mi.
431 ft.

OLYMPIAN GULF PROPERTIES **RCRA NonGen / NLR** **1026798205**
2441 CONSTITUTION DRIVE **CAC003109970**
LIVERMORE, CA 94551

Site 2 of 5 in cluster E

Relative:
Higher

Actual:
421 ft.

RCRA Listings:
Date Form Received by Agency: 20210312
Handler Name: OLYMPIAN GULF PROPERTIES
Handler Address: 2441 CONSTITUTION DRIVE
Handler City,State,Zip: LIVERMORE, CA 94551
EPA ID: CAC003109970
Contact Name: BONNIE BERTETTA
Contact Address: 1300 INDUSTRIAL ROAD UNIT #2
Contact City,State,Zip: SAN CARLOS, CA 94070
Contact Telephone: 650-245-6403
Contact Fax: Not reported
Contact Email: JPARWIZ@ALLCLEANHAZ.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
State District: Not reported

OLYMPIAN GULF PROPERTIES (Continued) **1026798205**

Mailing Address:		1300 INDUSTRIAL ROAD UNIT #2
Mailing City,State,Zip:		SAN CARLOS, CA 94070
Owner Name:	BONNIE BERTETTA	
Owner Type:		Other
Operator Name:	BONNIE BERTETTA	
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:		20210322
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No

OLYMPIAN GULF PROPERTIES (Continued) **1026798205**

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: BONNIE BERTETTA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1300 INDUSTRIAL ROAD UNIT #2
Owner/Operator City,State,Zip: SAN CARLOS, CA 94070
Owner/Operator Telephone: 650-245-6403
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BONNIE BERTETTA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1300 INDUSTRIAL ROAD UNIT #2
Owner/Operator City,State,Zip: SAN CARLOS, CA 94070
Owner/Operator Telephone: 650-245-6403
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210312
Handler Name: OLYMPIAN GULF PROPERTIES
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: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 531110
NAICS Description: LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E15
West
< 1/8
0.082 mi.
431 ft.

OLYMPIAN GULF PROPERTIES
2441 CONSTITUTION DRIVE
LIVERMORE, CA 94551

Site 3 of 5 in cluster E

RCRA NonGen / NLR | **1026809885** / **CAC003122280**

Relative:
Higher

Actual:
421 ft.

RCRA Listings:

Date Form Received by Agency:	20210601
Handler Name:	OLYMPIAN GULF PROPERTIES
Handler Address:	2441 CONSTITUTION DRIVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAC003122280
Contact Name:	ALLAN ODELL
Contact Address:	2441 CONSTITUTION DRIVE
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	925-209-1166
Contact Fax:	Not reported
Contact Email:	ALLAN@BLUELINECOMPANY.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
State District:	Not reported
Mailing Address:	1300 INDUSTRIAL ROAD UNIT #2
Mailing City,State,Zip:	SAN CARLOS, CA 94070
Owner Name:	OLYMPIAN GULF PROPERTIES
Owner Type:	Other
Operator Name:	ALLAN ODELL
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

OLYMPIAN GULF PROPERTIES (Continued) **1026809885**

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:	20210601
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: OLYMPIAN GULF PROPERTIES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1300 INDUSTRIAL ROAD UNIT #2
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-245-6403
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ALLAN ODELL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2441 CONSTITUTION DRIVE
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	925-209-1166
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OLYMPIAN GULF PROPERTIES (Continued) **1026809885**

Historic Generators:
Receive Date: 20210601
Handler Name: OLYMPIAN GULF PROPERTIES
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: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 81222
NAICS Description: CEMETERIES AND CREMATORIES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E16 **THE NATIONAL FOOD LABORATORY, INC.** **RCRA-LQG** **1014386980**
West **2441 CONSTITUTION DRIVE** **CAL000333429**
< 1/8 **LIVERMORE, CA 94551**
0.082 mi.
431 ft. **Site 4 of 5 in cluster E**

Relative: **Higher**

Actual: **421 ft.**

RCRA Listings:
Date Form Received by Agency: 20100210
Handler Name: THE NATIONAL FOOD LABORATORY, INC.
Handler Address: 2441 CONSTITUTION DRIVE
Handler City,State,Zip: LIVERMORE, CA 94551
EPA ID: CAL000333429
Contact Name: JULIE HILL
Contact Address: CONSTITUTION DRIVE
Contact City,State,Zip: LIVERMORE, CA 94551
Contact Telephone: 925-551-4209
Contact Fax: 925-371-8085
Contact Email: HILLJ@THENFL.COM
Contact Title: VICE PRESIDENT CHEMISTRY
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2009
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: CONSTITUTION DRIVE
Mailing City,State,Zip: LIVERMORE, CA 94551
Owner Name: LYELL FORK, LLC

THE NATIONAL FOOD LABORATORY, INC. (Continued) **1014386980**

Owner Type:	Private
Operator Name:	THE NATIONAL FOOD LABORATORY, 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:	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:	20101006
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

THE NATIONAL FOOD LABORATORY, INC. (Continued) **1014386980**

Sub-Part P Indicator: No

Biennial: List of Years
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

Waste Code: D008
Waste Description: LEAD

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

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: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

THE NATIONAL FOOD LABORATORY, INC. (Continued) **1014386980**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: LYELL FORK, LLC	
Legal Status:	Private
Date Became Current:	20080501
Date Ended Current:	Not reported
Owner/Operator Address:	1300 INDUSTRIAL ROAD SUITE 2
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-596-8950
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: THE NATIONAL FOOD LABORATORY, INC.	
Legal Status:	Private
Date Became Current:	20080621
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:	20100210
Handler Name: THE NATIONAL FOOD LABORATORY, 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:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	541712
NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
E17	**TECH CENTER**	**CERS HAZ WASTE**	**S121791538**
West	**2441 CONSTITUTION DR**	**HAZNET**	**N/A**
< 1/8	**LIVERMORE, CA 94551**		
0.082 mi.			
431 ft.	**Site 5 of 5 in cluster E**		

Relative:
Higher

Actual:
421 ft.

CERS HAZ WASTE:

Name:	TECH CENTER
Address:	2441 CONSTITUTION DR
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	75187
CERS ID:	10405864
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-24-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-24-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	10-27-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	75187
Facility Name:	Tech Center
Env Int Type Code:	HWG
Program ID:	10405864
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	37.703000
Longitude:	-121.809300

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Mario Valenzuela
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

TECH CENTER (Continued) **S121791538**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2441 Constitution Dr
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Eurofins Food Integrity & Innovation
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:	(925) 828-1440,
Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,
Affiliation Type Desc:	Environmental Contact
Entity Name:	MARIO VALENZUELA
Entity Title:	Not reported
Affiliation Address:	2441 Constitution Dr
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Mario Valenzuela
Entity Title:	Quality and EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Eurofins Food Integrity & Innovation
Entity Title:	Not reported

TECH CENTER (Continued) **S121791538**

Affiliation Address:	2441 Constitution Dr
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94551
Affiliation Phone:	(925) 828-1440,
Affiliation Type Desc:	Parent Corporation
Entity Name:	The National Food Laboratory, LLC
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:	,

HAZNET:

Name:	EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US INC
Address:	2441 CONSTITUTION DR
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945510000
Contact:	MARIO VALENZUELA
Telephone:	9255564842
Mailing Name:	Not reported
Mailing Address:	2441 CONSTITUTION DR
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAD008302903
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:	0.0625
Year:	2020
Gepaid:	CAR000205922
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)
Tons:	0.476
Year:	2020
Gepaid:	CAR000205922
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:	0.104
Year:	2020
Gepaid:	CAR000205922
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

TECH CENTER (Continued) **S121791538**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0045
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAT080014079
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:	0.1525
Year:	2020
Gepaid:	CAR000205922
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:	0.3405
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAD008302903
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2275
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAT080014079
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:	1.0795
Year:	2020
Gepaid:	CAR000205922
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:	0.8645
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAD008302903
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.005

Click this hyperlink while viewing on your computer to access
20 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year:	2020
EM Manifest ID:	987169

TECH CENTER (Continued) **S121791538**

Shipment Date:	1/28/2020
Receipt Date:	2/5/2020
Manifest Number:	001523677VES
Generator EPA ID:	CAR000205922
Name:	EUROFINS SENSORY CONSUMER RESE
Address:	2441 CONSTITUTION DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-556-4842
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	1
Method Code:	H061
Quantity Tons:	0.31250
Quantity Waste:	625.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922

TECH CENTER (Continued) **S121791538**

Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D003

TECH CENTER (Continued) **S121791538**

Year: 2020
EM Manifest ID: 987169
Generator EPA ID: CAR000205922
Shipment Date: 2020-01-28
Manifest Number: 001523677VES
Line Number: 4
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 987169
Generator EPA ID: CAR000205922
Shipment Date: 2020-01-28
Manifest Number: 001523677VES
Line Number: 5
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2020
EM Manifest ID: 987169
Generator EPA ID: CAR000205922
Shipment Date: 2020-01-28
Manifest Number: 001523677VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.31250
Quantity Waste: 625.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 987169
Generator EPA ID: CAR000205922
Shipment Date: 2020-01-28
Manifest Number: 001523677VES
Line Number: 2
Method Code: H141
Quantity Tons: 0.01500
Quantity Waste: 30.000000
Quantity Unit: P
Number of Containers: 1

TECH CENTER (Continued) **S121791538**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791
Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791
Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122
Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791
Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.10000

TECH CENTER (Continued) **S121791538**

Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2019
EM Manifest ID:	321023
Shipment Date:	4/11/2019
Receipt Date:	4/19/2019
Manifest Number:	001722838VES
Generator EPA ID:	CAR000205922
Name:	EUROFINS SENSORY CONSUMER RESE
Address:	2441 CONSTITUTION DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-556-4842
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	1

TECH CENTER (Continued) **S121791538**

Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	F003
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	2
Method Code:	H061
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	3
Method Code:	H061
Quantity Tons:	0.37500
Quantity Waste:	750.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922

TECH CENTER (Continued) **S121791538**

Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	7
Method Code:	H141
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

TECH CENTER (Continued) **S121791538**

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	8
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	8
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	2
Method Code:	H061
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1

TECH CENTER (Continued) **S121791538**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	3
Method Code:	H061
Quantity Tons:	0.37500
Quantity Waste:	750.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250

TECH CENTER (Continued) **S121791538**

Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	7
Method Code:	H141
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	8
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	9
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES

TECH CENTER (Continued) **S121791538**

Line Number: 10
Method Code: H141
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Detail Two:
Year: 2018
EM Manifest ID: 000159995DAT20170214_D_1
Shipment Date: 2/14/2017
Receipt Date: 2/23/2017
Manifest Number: 000159995DAT
Generator EPA ID: CAR000205922
Name: THE NATIONAL FOOD LABORATORY LLC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 000159995DAT20170214_D_1
Generator EPA ID: CAR000205922
Shipment Date: 2017-02-14
Manifest Number: 000159995DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00700
Quantity Waste: 14.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 000159995DAT20170214_D_1
Generator EPA ID: CAR000205922

TECH CENTER (Continued) **S121791538**

Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

TECH CENTER (Continued) **S121791538**

Year: 2018
EM Manifest ID: 000159995DAT20170214_D_1
Generator EPA ID: CAR000205922
Shipment Date: 2017-02-14
Manifest Number: 000159995DAT
Line Number: 6
Method Code: H141
Quantity Tons: 0.02250
Quantity Waste: 45.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 000159995DAT20170214_D_1
Generator EPA ID: CAR000205922
Shipment Date: 2017-02-14
Manifest Number: 000159995DAT
Line Number: 6
Method Code: H141
Quantity Tons: 0.02250
Quantity Waste: 45.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

Year: 2018
EM Manifest ID: 000159995DAT20170214_D_1
Generator EPA ID: CAR000205922
Shipment Date: 2017-02-14
Manifest Number: 000159995DAT
Line Number: 6
Method Code: H141
Quantity Tons: 0.02250
Quantity Waste: 45.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D011

State:
Year: 2018
EM Manifest ID: 000159995DAT20170214_D_1
Generator EPA ID: CAR000205922
Shipment Date: 2017-02-14
Manifest Number: 000159995DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.04170
Quantity Waste: 10.000000
Quantity Unit: G
Number of Containers: 1

TECH CENTER (Continued) **S121791538**

Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	791
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00250

TECH CENTER (Continued) **S121791538**

Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02250
Quantity Waste:	45.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	190091
Shipment Date:	11/29/2018
Receipt Date:	12/5/2018
Manifest Number:	001519612VES
Generator EPA ID:	CAR000205922
Name:	EUROFINS SENSORY CONSUMER RESE
Address:	2441 CONSTITUTION DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-556-4842
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	107 SOUTH MOTOR AVENUE
TSDF Address 2:	Not reported
TSDF City:	IRWINDALE
TSDF Zip:	91702
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	1
Method Code:	H061
Quantity Tons:	0.60000

TECH CENTER (Continued) **S121791538**

Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D003
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES

TECH CENTER (Continued) **S121791538**

Line Number: 3
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 3
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 3
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D003

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 5
Method Code: H141
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2018
EM Manifest ID: 190091

TECH CENTER (Continued) **S121791538**

Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 6
Method Code: H141
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.60000
Quantity Waste: 1200.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 4
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 5
Method Code: H141
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds

TECH CENTER (Continued) **S121791538**

State Code: 141

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 6
Method Code: H141
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 7
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 551

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 8
Method Code: H141
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 551

Year: 2018
EM Manifest ID: 190091
Generator EPA ID: CAR000205922
Shipment Date: 2018-11-29
Manifest Number: 001519612VES
Line Number: 9
Method Code: H141
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P

TECH CENTER (Continued) **S121791538**

Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Year:	2018
EM Manifest ID:	000206143DAT20180108_D_1
Shipment Date:	1/8/2018
Receipt Date:	1/16/2018
Manifest Number:	000206143DAT
Generator EPA ID:	CAR000205922
Name:	COVANCE LABORATORIES INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	000206143DAT20180108_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-08
Manifest Number:	000206143DAT
Line Number:	2
Method Code:	Not reported
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	000206143DAT20180108_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-08
Manifest Number:	000206143DAT
Line Number:	2
Method Code:	Not reported
Quantity Tons:	0.01500

TECH CENTER (Continued) **S121791538**

Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Shipment Date:	1/17/2018
Receipt Date:	1/31/2018
Manifest Number:	000190613DAT
Generator EPA ID:	CAR000205922
Name:	COVANCE LABORATORIES INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07100
Quantity Waste:	142.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00400

TECH CENTER (Continued) **S121791538**

Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	9
Method Code:	H121
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	11
Method Code:	H121
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT

TECH CENTER (Continued) **S121791538**

Line Number:	11
Method Code:	H121
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	12
Method Code:	H141
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1

TECH CENTER (Continued) **S121791538**

Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	14
Method Code:	H070
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	14
Method Code:	H070
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	15
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	15
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

TECH CENTER (Continued) **S121791538**

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D008

State:

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04300
Quantity Waste:	86.000000
Quantity Unit:	P
Number of Containers:	4

TECH CENTER (Continued) **S121791538**

Type of Container:	NULL
Quantity Type:	NULL
State Code:	513
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07100
Quantity Waste:	142.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.09500
Quantity Waste:	190.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.05250
Quantity Waste:	105.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00400

TECH CENTER (Continued) **S121791538**

Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	6
Method Code:	H121
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT

TECH CENTER (Continued) **S121791538**

Line Number:	9
Method Code:	H121
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	12
Method Code:	H141
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1

TECH CENTER (Continued) **S121791538**

Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	14
Method Code:	H070
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	15
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Additional Info:

Year:	2017
Gen EPA ID:	CAR000205922
Shipment Date:	20170214
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170223
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338

TECH CENTER (Continued) **S121791538**

Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.034
Waste Quantity:	10
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:	20170214
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170223
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
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:	20170214
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA 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:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

TECH CENTER (Continued) **S121791538**

Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D002
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170214
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170223
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA 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:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
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:	20170214
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

TECH CENTER (Continued) **S121791538**

Additional Code 5:	Not reported
Shipment Date:	20170214
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170223
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

D18 **KLA-TENCOR CORPORATION** **PFAS ECHO** **1027379173**
NNE **37.70582/-121.80499** **N/A**
< 1/8 **LIVERMORE, CA**
0.086 mi.
454 ft. **Site 4 of 5 in cluster D**

Relative: **Higher**

Actual: **428 ft.**

PFAS ECHO:

Name:	KLA-TENCOR CORPORATION
Address:	37.70582/-121.80499
City,State,Zip:	LIVERMORE, CA
Latitude:	37.70582
Longitude:	-121.80499
Count:	-1
County:	ALAMEDA
Status:	Unknown
Region:	09
Industry:	Electronics Industry
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110038071519
Facility Percent Minority:	42.189
Facility Derived Tribes:	Not reported
Facility Population:	1318.7
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.80499,%22y%22:37.70582,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	Not reported
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06001
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

KLA-TENCOR CORPORATION (Continued) **1027379173**

Facility Derived HUC:	18050004
Facility Derived WBD:	180500040203
Facility Derived CD113:	15
Facility Derived CB2010:	060014512021044
Facility Major Flag:	Not reported
Facility Active Flag:	Not reported
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	Not reported
Facility Programs With SNC:	0
Facility Compliance Status:	Not reported
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
D19	**LAM RESEARCH CORPORATION**	**PFAS ECHO**	**1027380576**
NNE	**37.70582/-121.80499**		**N/A**
< 1/8	**LIVERMORE, CA**		
0.086 mi.			
454 ft.	**Site 5 of 5 in cluster D**		

Relative: **Higher**

Actual: **428 ft.**

PFAS ECHO:

Name:	LAM RESEARCH CORPORATION
Address:	37.70582/-121.80499
City,State,Zip:	LIVERMORE, CA
Latitude:	37.70582
Longitude:	-121.80499
Count:	-1
County:	ALAMEDA
Status:	Active
Region:	09
Industry:	Metal Machinery Mfg
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110043233391
Facility Percent Minority:	42.189
Facility Derived Tribes:	Not reported
Facility Population:	1318.7
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.80499,%22y%22:37.70582,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06001
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18050004
Facility Derived WBD:	180500040203
Facility Derived CD113:	15
Facility Derived CB2010:	060014512021044
Facility Major Flag:	Not reported
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not reported

LAM RESEARCH CORPORATION (Continued) **1027380576**

CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	CAR000215442
RCRA Permit Types:	SQG
RCRA NAICS:	333318
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported
Name:	LAM RESEARCH CORPORATION
Address:	37.70582/-121.80499
City,State,Zip:	LIVERMORE, CA
Latitude:	37.70582
Longitude:	-121.80499
Count:	-1
County:	ALAMEDA
Status:	Active
Region:	09
Industry:	Electronics Industry
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110043233391
Facility Percent Minority:	42.189
Facility Derived Tribes:	Not reported
Facility Population:	1318.7
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.80499,%22y%22:37.70582,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06001
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18050004
Facility Derived WBD:	180500040203
Facility Derived CD113:	15
Facility Derived CB2010:	060014512021044
Facility Major Flag:	Not reported
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0

LAM RESEARCH CORPORATION (Continued) **1027380576**

Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	CAR000215442
RCRA Permit Types:	SQG
RCRA NAICS:	333318
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

F20 **CODIROLI FORD** **RCRA-SQG** **1004675699**
South **2266 KITTYHAWK RD** **FINDS** **CAR000076117**
< 1/8 **LIVERMORE, CA 94551** **ECHO**
0.096 mi.
505 ft. **Site 1 of 5 in cluster F**

Relative: **Lower**
Actual: **414 ft.**

RCRA Listings:

Date Form Received by Agency:		20000622
Handler Name:	CODIROLI FORD	
Handler Address:		2266 KITTYHAWK RD
Handler City,State,Zip:		LIVERMORE, CA 94550
EPA ID:		CAR000076117
Contact Name:		LEE AINSWORTH
Contact Address:		2266 KITTYHAWK RD
Contact City,State,Zip:		LIVERMORE, CA 94550
Contact Telephone:		925-294-7700
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private

CODIROLI FORD (Continued) **1004675699**

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:		2266 KITTYHAWK RD
Mailing City,State,Zip:		LIVERMORE, CA 94550
Owner Name:	MILT CODIROLI	
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:		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

CODIROLI FORD (Continued) **1004675699**

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: 20021007
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: No

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MILT CODIROLI
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2266 KITTYHAWK RD
Owner/Operator City,State,Zip: LIVERMORE, CA 94550
Owner/Operator Telephone: 925-294-7700
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20000622
Handler Name: CODIROLI FORD
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 Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

CODIROLI FORD (Continued) **1004675699**

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002938956

Click Here for FRS Facility Detail Report:

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004675699
Registry ID:	110002938956
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002938956
Name:	CODIROLI FORD
Address:	2266 KITTYHAWK RD
City,State,Zip:	LIVERMORE, CA 94551

F21 **LIVERMORE FORD LINCOLN MERCURY** **RCRA NonGen / NLR** **1024811722**
South **2266 KITTY HAWK RD** **CAL000296317**
< 1/8 **LIVERMORE, CA 94551**
0.096 mi.
505 ft. **Site 2 of 5 in cluster F**

Relative: **Lower**
Actual: **414 ft.**

RCRA Listings:

Date Form Received by Agency:	20050711
Handler Name:	LIVERMORE FORD LINCOLN MERCURY
Handler Address:	2266 KITTY HAWK RD
Handler City,State,Zip:	LIVERMORE, CA 94551-9562
EPA ID:	CAL000296317
Contact Name:	DAVID REECE
Contact Address:	2266 KITTY HAWK RD
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	925-294-7700
Contact Fax:	925-449-4418
Contact Email:	DREECE@GILLAUTOGROUP.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

LIVERMORE FORD LINCOLN MERCURY (Continued) **1024811722**

State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2266 KITTY HAWK RD
Mailing City,State,Zip:		LIVERMORE, CA 94551-9562
Owner Name:	LIVERMORE AUTO GROUP INC	
Owner Type:		Other
Operator Name:	DAVID REECE	
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
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:		20180905
Recognized Trader-Importer:		No

LIVERMORE FORD LINCOLN MERCURY (Continued) **1024811722**

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:	LIVERMORE AUTO GROUP INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2266 KITTY HAWK RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551-9562
Owner/Operator Telephone:	559-906-6065
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAVID REECE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2266 KITTY HAWK RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	925-294-7700
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20050711
Handler Name:	LIVERMORE FORD LINCOLN MERCURY
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:	44111
NAICS Description:	NEW CAR DEALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

LIVERMORE FORD LINCOLN MERCURY (Continued) **1024811722**

Evaluation Action Summary:
Evaluations: No Evaluations Found

F22 **AST** **A100324249**
South **2266 KITTYHAWK RD.** **N/A**
< 1/8 **LIVERMORE, CA**
0.096 mi.
505 ft. **Site 3 of 5 in cluster F**

Relative: **Lower**
Actual: **414 ft.**

AST:

Name:	Not reported
Address:	2266 KITTYHAWK RD.
City/Zip:	LIVERMORE,
Certified Unified Program Agencies:	Livermore-Pleasanton
Owner:	Livermore Auto Grp - Ford
Total Gallons:	2,225
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

F23 **LIVERMORE AUTO GROUP** **AST** **A100421844**
South **2266 KITTY HAWK RD** **N/A**
< 1/8 **LIVERMORE, CA 94551**
0.096 mi.
505 ft. **Site 4 of 5 in cluster F**

Relative: **Lower**
Actual: **414 ft.**

AST:

Name:	LIVERMORE AUTO GROUP
Address:	2266 KITTY HAWK RD
City/Zip:	LIVERMORE,94551
Certified Unified Program Agencies:	Not reported
Owner:	Livermore Auto Group Inc
Total Gallons:	Not reported
CERSID:	10415041

LIVERMORE AUTO GROUP (Continued) **A100421844**

Facility ID:	Not reported
Business Name:	Gill Automotive Group
Phone:	925-294-7700
Fax:	Not reported
Mailing Address:	2266 Kitty Hawk Rd
Mailing Address City:	Livermore
Mailing Address State:	CA
Mailing Address Zip Code:	94551
Operator Name:	Jay S. Gill
Operator Phone:	925-294-7700
Owner Phone:	925-294-7700
Owner Mail Address:	2266 Kitty Hawk Rd
Owner State:	CA
Owner Zip Code:	94551
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:	CAL000296317

F24 **LIVERMORE AUTO GROUP** **CERS HAZ WASTE** **S121742593**
South **2266 KITTY HAWK RD** **CERS TANKS** **N/A**
< 1/8 **LIVERMORE, CA 94551** **CUPA Listings**
0.096 mi. **EMI**
505 ft. **Site 5 of 5 in cluster F** **CERS**

Relative:
Lower

Actual:
414 ft.

CERS HAZ WASTE:

Name:	LIVERMORE AUTO GROUP
Address:	2266 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	130976
CERS ID:	10415041
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	LIVERMORE AUTO GROUP
Address:	2266 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	130976
CERS ID:	10415041
CERS Description:	Aboveground Petroleum Storage

CUPA LIVERMORE-PLEASANTON:

CERS ID:	10415041
Name:	LIVERMORE AUTO GROUP
Address:	2266 KITTY HAWK ROAD
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/Hazardous Waste Generator/Aboveground Petroleum Storage Act Program/

EMI:

LIVERMORE AUTO GROUP (Continued) **S121742593**

Name:	LIVERMORE AUTO GROUP
Address:	2266 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94551
Year:	2017
County Code:	1
Air Basin:	SF
Facility ID:	111696
Air District Name:	BA
SIC Code:	5411
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:	0.011219085
Reactive Organic Gases Tons/Yr:	0.011219085
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:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	LIVERMORE AUTO GROUP
Address:	2266 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94551
Year:	2018
County Code:	1
Air Basin:	SF
Facility ID:	111696
Air District Name:	BA
SIC Code:	7538
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:	0.011219085
Reactive Organic Gases Tons/Yr:	0.011219085
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:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	LIVERMORE AUTO GROUP
Address:	2266 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94551
Year:	2019
County Code:	1
Air Basin:	SF
Facility ID:	111696
Air District Name:	BA
SIC Code:	7538
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:	0.011219085
Reactive Organic Gases Tons/Yr:	0.011219085
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported

LIVERMORE AUTO GROUP (Continued) **S121742593**

Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: LIVERMORE AUTO GROUP
Address: 2266 KITTY HAWK RD
City,State,Zip: LIVERMORE, CA 94551
Year: 2020
County Code: 1
Air Basin: SF
Facility ID: 111696
Air District Name: BA
SIC Code: 7538
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: 0.154745742
Reactive Organic Gases Tons/Yr: 0.154745742
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: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

CERS:
Name: LIVERMORE AUTO GROUP
Address: 2266 KITTY HAWK RD
City,State,Zip: LIVERMORE, CA 94551
Site ID: 130976
CERS ID: 10415041
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 10-10-2013
Citation: HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Description: Failure to include adequate emergency response procedures in the business plan for a release or threatened release.
Violation Notes: Returned to compliance on 06/27/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 11-22-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards.
Violation Notes: Returned to compliance on 01/23/2020.
Violation Division: Livermore-Pleasanton FD
Violation Program: APSA
Violation Source: CERS,

Site ID: 130976

LIVERMORE AUTO GROUP (Continued) **S121742593**

Site Name:	Livermore Auto Group
Violation Date:	10-10-2013
Citation:	19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Description:	Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 03/21/2014.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	11-22-2019
Citation:	22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description:	Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes:	Returned to compliance on 01/23/2020.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	09-22-2016
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 02/16/2017.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	09-22-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
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 01/23/2020.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	11-22-2019
Citation:	22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description:	Failure to provide employees with hazardous waste training program of class room instructions or on-the-job training within the first six months after the date of their employment or assignment to a facility,

LIVERMORE AUTO GROUP (Continued) **S121742593**

or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record 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 01/23/2020.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 08-30-2018
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation.
Violation Notes: Returned to compliance on 11/22/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: APSA
Violation Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 09-22-2016
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174
Violation Description: Failure to inspect weekly, areas where hazardous waste containers are stored or transferred. The owner or operator shall look for leaking containers and for deterioration of containers and the containment system caused by corrosion or other factors.
Violation Notes: Returned to compliance on 01/22/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 09-22-2016
Citation: 22 CCR 15 66265.33 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.33
Violation Description: Failure to test and maintain as necessary all facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment to assure its proper operation in time of emergency.
Violation Notes: Returned to compliance on 02/16/2017.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW

LIVERMORE AUTO GROUP (Continued) **S121742593**

Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	11-22-2019
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 01/23/2020.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	09-22-2016
Citation:	22 CCR 15 66265.171 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.171
Violation Description:	Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes:	Returned to compliance on 02/16/2017.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	11-22-2019
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 11/22/2019.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	11-22-2019
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 the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 01/23/2020.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group

LIVERMORE AUTO GROUP (Continued) **S121742593**

Violation Date:	10-10-2013
Citation:	22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description:	Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).
Violation Notes:	Returned to compliance on 06/24/2014.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	11-22-2019
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", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/23/2020.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	08-30-2018
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", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/24/2019.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	130976
Site Name:	Livermore Auto Group
Violation Date:	11-22-2019
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22,

LIVERMORE AUTO GROUP (Continued) **S121742593**

Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 01/23/2020.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 10-10-2013
Citation: HSC 6.67 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(2)
Violation Description: Failure to submit a Tank Facility Statement or Business Plan.
Violation Notes: Returned to compliance on 05/02/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: APSA
Violation Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 10-10-2013
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 05/02/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 10-10-2013
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes: Returned to compliance on 05/22/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: APSA
Violation Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Violation Date: 10-27-2015
Citation: HSC 6.5 25250.7 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.7
Violation Description: Failure to handle contaminated used oil (other than minimal amounts of vehicle fuel) as a hazardous waste.
Violation Notes: Returned to compliance on 11/22/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

LIVERMORE AUTO GROUP (Continued) **S121742593**

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	01-21-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	01-21-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	06-24-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-30-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	10-16-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	11-17-2016

LIVERMORE AUTO GROUP (Continued) **S121742593**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

LIVERMORE AUTO GROUP (Continued) **S121742593**

Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-27-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-16-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-16-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

LIVERMORE AUTO GROUP (Continued) **S121742593**

Eval General Type: Other/Unknown
Eval Date: 10-16-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-19-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2019
Violations Found: Yes

LIVERMORE AUTO GROUP (Continued) **S121742593**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-16-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD

LIVERMORE AUTO GROUP (Continued) **S121742593**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-19-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-19-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-27-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-27-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 01-21-2014
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: Livermore-Pleasanton FD
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE

LIVERMORE AUTO GROUP (Continued) **S121742593**

Site Zip: 94551
Enf Action Date: 01-21-2014
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: Livermore-Pleasanton FD
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 01-21-2014
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: Livermore-Pleasanton FD
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 02-16-2017
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: Livermore-Pleasanton FD
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 02-16-2017
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: Livermore-Pleasanton FD
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 04-21-2015
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

LIVERMORE AUTO GROUP (Continued) **S121742593**

Enf Action Division: Livermore-Pleasanton FD
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 06-24-2014
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: Livermore-Pleasanton FD
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 06-24-2014
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: Livermore-Pleasanton FD
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 11-17-2016
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: Livermore-Pleasanton FD
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 11-17-2016
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: Livermore-Pleasanton FD
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 130976

LIVERMORE AUTO GROUP (Continued) **S121742593**

Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 11-19-2013
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: Livermore-Pleasanton FD
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 11-19-2013
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: Livermore-Pleasanton FD
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 130976
Site Name: Livermore Auto Group
Site Address: 2266 KITTY HAWK RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 11-19-2013
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: Livermore-Pleasanton FD
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 130976
Facility Name: Livermore Auto Group
Env Int Type Code: HWG
Program ID: 10415041
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.700060
Longitude: -121.806980

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2266 Kitty Hawk Rd
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: Not reported

LIVERMORE AUTO GROUP (Continued) **S121742593**

Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Michael Leap
Entity Title: Fixed Operations Director
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Livermore Auto Group Inc
Entity Title: Not reported
Affiliation Address: 2266 Kitty Hawk Rd
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94551
Affiliation Phone: (925) 294-7700,

Affiliation Type Desc: Parent Corporation
Entity Name: Gill Automotive Group
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: ,

Affiliation Type Desc: Operator
Entity Name: Jay S. Gill
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: (925) 294-7700,

Affiliation Type Desc: CUPA District
Entity Name: Livermore-Pleasanton FD
Entity Title: Not reported
Affiliation Address: 3560 Nevada Street
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94566
Affiliation Phone: (925) 454-2361,

Affiliation Type Desc: Document Preparer
Entity Name: CELLY SERVICES, INC
Entity Title: Not reported
Affiliation Address: Not reported

LIVERMORE AUTO GROUP (Continued) **S121742593**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Michael Leap
Entity Title:	Not reported
Affiliation Address:	2266 Kitty Hawk Rd
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	,

B25 **OPERATING ENGINEERS #3 CREDIT UNION** **CUPA Listings** **S120762120**
NNW **250 NORTH CANYONS PARKWAY** **N/A**
< 1/8 **LIVERMORE, CA**
0.098 mi.
519 ft. **Site 2 of 2 in cluster B**

Relative: **Higher**
Actual: **435 ft.**

CUPA LIVERMORE-PLEASANTON:

CERS ID:	10487515
Name:	OPERATING ENGINEERS #3 CREDIT UNION
Address:	250 NORTH CANYONS PARKWAY
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/

G26 **TOSHIBA AMERICA ELECTRONIC COMPONENTS INC** **PFAS ECHO** **1027430019**
ENE **37.704466/-121.804111** **N/A**
< 1/8 **LIVERMORE, CA**
0.113 mi.
597 ft. **Site 1 of 2 in cluster G**

Relative: **Higher**
Actual: **427 ft.**

PFAS ECHO:

Name:	TOSHIBA AMERICA ELECTRONIC COMPONENTS INC
Address:	37.704466/-121.804111
City,State,Zip:	LIVERMORE, CA
Latitude:	37.704466
Longitude:	-121.804111
Count:	-1
County:	ALAMEDA COUNTY
Status:	Unknown
Region:	09
Industry:	Electronics Industry
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110069727406
Facility Percent Minority:	40.687
Facility Derived Tribes:	Not reported
Facility Population:	1404.01
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.804111,%22y%22:37.704466,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance

TOSHIBA AMERICA ELECTRONIC COMPONENTS INC (Continued) **1027430019**

	=1
EPA Programs:	Not reported
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06001
Facility Indian Country Flag:	N
Facility Collection Method:	INTERPOLATION-PHOTO
Facility Derived HUC:	18050004
Facility Derived WBD:	180500040203
Facility Derived CD113:	15
Facility Derived CB2010:	060014512021040
Facility Major Flag:	Not reported
Facility Active Flag:	Not reported
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	Not reported
Facility Programs With SNC:	0
Facility Compliance Status:	Not reported
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	9455WTSHBM11PRT
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
G27	**BRIDGELUX**	**PFAS ECHO**	**1027334953**
ENE	**37.704466/-121.804111**		**N/A**
< 1/8	**LIVERMORE, CA**		
0.113 mi.			
597 ft.	**Site 2 of 2 in cluster G**		

Relative: **Higher**

Actual: **427 ft.**

PFAS ECHO:

Name:	BRIDGELUX
Address:	37.704466/-121.804111
City,State,Zip:	LIVERMORE, CA
Latitude:	37.704466
Longitude:	-121.804111
Count:	-1
County:	ALAMEDA
Status:	Active
Region:	09
Industry:	Electronics Industry
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110067536759
Facility Percent Minority:	40.687
Facility Derived Tribes:	Not reported
Facility Population:	1404.01
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.804111,%22y%22:37.704466,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06001
Facility Indian Country Flag:	N
Facility Collection Method:	INTERPOLATION-PHOTO
Facility Derived HUC:	18050004
Facility Derived WBD:	180500040203
Facility Derived CD113:	15
Facility Derived CB2010:	060014512021040
Facility Major Flag:	Not reported
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N

BRIDGELUX (Continued) **1027334953**

AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	CAR000205005 CAR000239335
RCRA Permit Types:	Other, SQG
RCRA NAICS:	334413
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	9455WBRDGL11PRT
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

H28 **ADMEDES** **CUPA Listings** **S120761819**
NNE **2800 COLLIER CANYON ROAD** **N/A**
< 1/8 **LIVERMORE, CA**
0.117 mi.
616 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
432 ft.

CUPA LIVERMORE-PLEASANTON:

CERS ID:	10419247
Name:	ADMEDES
Address:	2800 COLLIER CANYON ROAD
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/Hazardous Waste Generator/On-Site Treatement of Hazardous Waste/

H29 **ADMEDES INC.** **CERS HAZ WASTE** **S121770719**
NNE **2800 COLLIER CANYON RD** **CERS** **N/A**
< 1/8 **LIVERMORE, CA 94551**
0.117 mi.
616 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
432 ft.

CERS HAZ WASTE:

Name:	ADMEDES INC.
Address:	2800 COLLIER CANYON RD
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	384213
CERS ID:	10419247
CERS Description:	Hazardous Waste Generator

Name:	ADMEDES INC.
Address:	2800 COLLIER CANYON RD
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	384213
CERS ID:	10419247

ADMEDES INC. (Continued) **S121770719**

CERS Description: Hazardous Waste Onsite Treatment

Name: ADMEDES INC.
Address: 2800 COLLIER CANYON RD
City,State,Zip: LIVERMORE, CA 94551
Site ID: 384213
CERS ID: 10419247
CERS Description: RCRA LQ HW Generator

CERS:
Name: ADMEDES INC.
Address: 2800 COLLIER CANYON RD
City,State,Zip: LIVERMORE, CA 94551
Site ID: 384213
CERS ID: 10419247
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 02-03-2015
Citation: 22 CCR 15 66265.177 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.177
Violation Description: Failure to ensure incompatible waste and/or materials are not placed or stored in the same container or nearby or into an unwashed container, which previously contained incompatible waste and/or materials, so that it does not potentially result in the following: 1) Generate extreme heat or pressure, fire or explosion, or violent reaction; 2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; 3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; 4) Damage the structural integrity of the device or facility containing the waste; or 5) Through other like means threaten human health or the environment.
Violation Notes: Returned to compliance on 03/05/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: CA
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 02-27-2013
Citation: 22 CCR 15 66265.52 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.52
Violation Description: Failure to include all of the following in the Contingency Plan: 1) A description of actions the facility personnel shall take response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility; 2) A description of arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services; 3) All names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and this list shall be kept up to date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will

ADMEDES INC. (Continued) **S121770719**

assume responsibility as alternates; 4) A list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list shall be kept up to date. In addition, the plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities; 5) An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan is to describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires); 6) The current telephone number of the California Emergency Management Agency; and 7) If the owner or operator has already prepared a Spill Prevention, Control, and Countermeasures (SPCC) or some other emergency or contingency plan, the owner or operator need only amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this chapter.

Violation Notes: Returned to compliance on 04/23/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 05-24-2019
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", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/25/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 05-24-2019
Citation: HSC 6.5 25200.14(b)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25200.14(b)(1)
Violation Description: Failure to submit a Phase I Checklist to DTSC within one year of commencing operations.
Violation Notes: Returned to compliance on 06/25/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: CA
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 05-24-2019
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to

ADMEDES INC. (Continued) **S121770719**

placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 08/23/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 02-27-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/26/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 05-24-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 06/25/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 05-24-2019
Citation: 22 CCR 45 67450.13(b) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(b)
Violation Description: Failure to prepare a written estimate of the cost of closing each unit which includes the cost that would be incurred for closing a treatment unit when using the owner or operator or generator's own staff and/or personal equipment taking into account any salvage value that may be realized from the sale of wastes, facility structure or equipment, land or other facility assets. This estimate shall be submitted as an attachment to the Certification of Financial Assurance for Permit by Rule and Conditionally Authorized Operations/ Maintenance page(s) of the Unified Program Consolidated Form (x/99)).
Violation Notes: Returned to compliance on 06/25/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: CA
Violation Source: CERS,

Site ID: 384213

ADMEDES INC. (Continued) **S121770719**

Site Name:	Admedes Inc.
Violation Date:	05-24-2019
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies) . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment . 3) Lamps shall be marked with Universal Waste-Lamp(s) . 4)Each electronic devices or the container or the designated area shall be marked with Universal Waste-Electronic Device(s) . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s) . 6) CRT glass or the designated area shall be marked with Universal Waste-CRT glass .
Violation Notes:	Returned to compliance on 06/25/2019.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	384213
Site Name:	Admedes Inc.
Violation Date:	02-27-2013
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 10/31/2014.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	384213
Site Name:	Admedes Inc.
Violation Date:	02-27-2013
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 with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 04/23/2014.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HWLQG
Violation Source:	CERS,
Site ID:	384213
Site Name:	Admedes Inc.
Violation Date:	05-24-2019
Citation:	22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51
Violation Description:	Failure to prepare and implement a written Contingency Plan to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water.
Violation Notes:	Returned to compliance on 06/25/2019.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HWLQG

ADMEDES INC. (Continued) **S121770719**

Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 05-24-2019
Citation: 22 CCR 45 67450.13(a)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(a)(2)
Violation Description: Failure to adjust Closure Costs for inflation/deflation by March 1st.
Violation Notes: Returned to compliance on 06/25/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: CA
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 02-27-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit 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 06/26/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 02-27-2013
Citation: 19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Description: Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 06/26/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Violation Date: 02-27-2013
Citation: HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Description: Failure to include adequate emergency response procedures in the business plan for a release or threatened release.
Violation Notes: Returned to compliance on 04/23/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD

ADMEDES INC. (Continued) **S121770719**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-23-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: CA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

ADMEDES INC. (Continued) **S121770719**

Eval General Type: Other/Unknown
Eval Date: 06-26-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-13-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-05-2019
Violations Found: No

ADMEDES INC. (Continued) **S121770719**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-25-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: CA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-23-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD

ADMEDES INC. (Continued) **S121770719**

Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-18-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-06-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: CA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: CA
Eval Source: CERS,

Enforcement Action:
Site ID: 384213
Site Name: Admedes Inc.
Site Address: 2800 COLLIER CANYON RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 04-23-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

ADMEDES INC. (Continued) **S121770719**

Enf Action Notes: Not reported
Enf Action Division: Livermore-Pleasanton FD
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Site Address: 2800 COLLIER CANYON RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 04-23-2013
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: Livermore-Pleasanton FD
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Site Address: 2800 COLLIER CANYON RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 06-25-2019
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: Livermore-Pleasanton FD
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 384213
Site Name: Admedes Inc.
Site Address: 2800 COLLIER CANYON RD
Site City: LIVERMORE
Site Zip: 94551
Enf Action Date: 06-26-2014
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: Livermore-Pleasanton FD
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 384213
Facility Name: Admedes Inc.
Env Int Type Code: HMBP
Program ID: 10419247
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.706650
Longitude: -121.805940

Affiliation:
Affiliation Type Desc: Environmental Contact

ADMEDES INC. (Continued) **S121770719**

Entity Name: Michael Ehrlinspiel
Entity Title: Not reported
Affiliation Address: 2800 Collier Canyon Rd
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Raul Diestro
Entity Title: IE Supervisor
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2800 Collier Canyon Rd
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Michael Ehrlinspiel
Entity Title: Not reported
Affiliation Address: 2800 Collier Canyon Rd
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94551
Affiliation Phone: (925) 452-0648,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Raul Diestro
Entity Title: Process Engineer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Admedes 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

ADMEDES INC. (Continued) **S121770719**

Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Raul Diestro
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: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Michael Ehrlinspiel
Entity Title: Senior Director Engineering
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Admedes Inc
Entity Title: Not reported
Affiliation Address: 2800 Collier Canyon Rd
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94551
Affiliation Phone: (925) 417-0778,

Affiliation Type Desc: CUPA District
Entity Name: Livermore-Pleasanton FD
Entity Title: Not reported
Affiliation Address: 3560 Nevada Street
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94566
Affiliation Phone: (925) 454-2361,

Affiliation Type Desc: Operator
Entity Name: Michael Ehrlinspiel
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: (925) 452-6482,

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
H30	**ADMEDES INC**	**RCRA-LQG**	**1014387367**
NNE	**2800 COLLIER CANYON RD**	**CHMIRS**	**CAR000208728**
< 1/8	**LIVERMORE, CA 94551**	**HAZNET**	
0.117 mi.		**NPDES**	
616 ft.	**Site 3 of 3 in cluster H**	**CIWQS**	
		HWTS	

Relative: Higher

Actual: 432 ft.

RCRA Listings:

Date Form Received by Agency:		20200228
Handler Name:	ADMEDES INC	
Handler Address:		2800 COLLIER CANYON RD
Handler City,State,Zip:		LIVERMORE, CA 94551-0000
EPA ID:		CAR000208728
Contact Name:		RAUL N DIESTRO
Contact Address:		COLLIER CANYON RD
Contact City,State,Zip:		LIVERMORE, CA 94551-0000
Contact Telephone:		925-452-6483
Contact Fax:		Not reported
Contact Email:		RDIESTRO@ADMEDES.COM
Contact Title:		INDUSTRIAL ENGINEERING SUPERVISOR
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2019
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		COLLIER CANYON RD
Mailing City,State,Zip:		LIVERMORE, CA 94551-0000
Owner Name:	JACKI SIMONSON	
Owner Type:		Private
Operator Name:	ADMEDES 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

ADMEDES INC (Continued) **1014387367**

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:	20201103
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

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

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:	D009
Waste Description:	MERCURY

ADMEDES INC (Continued) **1014387367**

Waste Code: D011
Waste Description: SILVER

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

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: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ERIC VEIT
Legal Status: Private
Date Became Current: 20100501
Date Ended Current: Not reported
Owner/Operator Address: 2800 COLLIER CANYON RD
Owner/Operator City,State,Zip: LIVERMORE, CA 94551
Owner/Operator Telephone: 925-417-0778
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ADMEDES INC
Legal Status: Private
Date Became Current: 20100601
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: ADMEDES INC.

ADMEDES INC (Continued) **1014387367**

Legal Status:	Private
Date Became Current:	20100120
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: ADMEDES INC	
Legal Status:	Private
Date Became Current:	20100501
Date Ended Current:	Not reported
Owner/Operator Address:	2800 COLLIER CANYON RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551-0000
Owner/Operator Telephone:	925-452-6483
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	RDIESTRO@ADMEDES.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: ADMEDES INC	
Legal Status:	Private
Date Became Current:	20100524
Date Ended Current:	Not reported
Owner/Operator Address:	2800 COLLIER CANYON RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	925-417-0778
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ADMEDES INC	
Legal Status:	Private
Date Became Current:	20100119
Date Ended Current:	Not reported
Owner/Operator Address:	2800 COLLIER CANYON RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	925-417-0778
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ERIC VIET - AGENT OF ADMEDES SCHUESSLER	
Legal Status:	Private
Date Became Current:	20100120
Date Ended Current:	Not reported
Owner/Operator Address:	2800 COLLIER CANYON RD.
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	925-417-0778
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ADMEDES INC (Continued) **1014387367**

Owner/Operator Indicator:	Owner
Owner/Operator Name: JACKI SIMONSON	
Legal Status:	Private
Date Became Current:	20100501
Date Ended Current:	Not reported
Owner/Operator Address:	2800 COLLIER CANYON RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551-0000
Owner/Operator Telephone:	925-452-6473
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JSIMONSON@ADMEDES.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: ADMEDES INC	
Legal Status:	Private
Date Became Current:	20100501
Date Ended Current:	Not reported
Owner/Operator Address:	2800 COLLIER CANYON RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551-0000
Owner/Operator Telephone:	925-452-6483
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	RDIESTRO@ADMEDES.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: JACKI RESSE	
Legal Status:	Private
Date Became Current:	20100501
Date Ended Current:	Not reported
Owner/Operator Address:	2800 COLLIER CANYON RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551-0000
Owner/Operator Telephone:	925-452-6483
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	RDIESTRO@ADMEDES.COM

Historic Generators:

Receive Date:	20140301
Handler Name: ADMEDES 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:	20160226
Handler Name: ADMEDES 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

ADMEDES INC (Continued) **1014387367**

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: 20180226
Handler Name: ADMEDES INC
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: No
Electronic Manifest Broker: No

Receive Date: 20200228
Handler Name: ADMEDES 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: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20100602
Handler Name: ADMEDES INC
Federal Waste Generator Description: Small 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

List of NAICS Codes and Descriptions:
NAICS Code: 33911
NAICS Description: MEDICAL EQUIPMENT AND SUPPLIES MANUFACTURING

NAICS Code: 339112
NAICS Description: SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported

ADMEDES INC (Continued) **1014387367**

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
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

ADMEDES INC (Continued) **1014387367**

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 - Pre-transport
Date Violation was Determined: 20130227
Actual Return to Compliance Date: 20140423
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: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported

ADMEDES INC (Continued) **1014387367**

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
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 - Pre-transport
Date Violation was Determined:	20190524
Actual Return to Compliance Date:	20190823
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

ADMEDES INC (Continued) **1014387367**

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 - Pre-transport
Date Violation was Determined:	20190524
Actual Return to Compliance Date:	20190625
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:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported

ADMEDES INC (Continued) **1014387367**

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
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 - Pre-transport
Date Violation was Determined:	20130227
Actual Return to Compliance Date:	20140423
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	602
Date of Enforcement Action:	20130423
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

ADMEDES INC (Continued) **1014387367**

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CUPA
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: 20220526
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: CUPA
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: 20190625
Evaluation Responsible Agency: State
Found Violation: No
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: 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: 20130227
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: 20140423
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: 20190905

ADMEDES INC (Continued) **1014387367**

Evaluation Responsible Agency:	State
Found Violation:	No
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:	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:	20190524
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:	20190823
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:	20190524
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:	20190625
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:	20130423
Evaluation Responsible Agency:	State
Found Violation:	No
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:	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:	20130227
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

ADMEDES INC (Continued) **1014387367**

Actual Return to Compliance Date:	20140423
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHMIRS:

Name:	Not reported
Address:	2800 COLLIER CANYON
City,State,Zip:	LIVERMORE, CA 94551
OES Incident Number:	13-6030
OES notification:	09/25/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
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/ San Francisco Bay
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2330
Year:	2013
Agency:	Admedes Inc

ADMEDES INC (Continued) **1014387367**

Incident Date:	9/23/2013
Admin Agency:	Livermore Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Storm Drain/ San Francisco Bay
E Date:	Not reported
Substance:	Industrial Salt and De-Ionized Water
Quantity Released:	300
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:	Not reported
Description:	Caller states a 300 gallon tank was being refilled with De-Ionized water. The tank had a valve left open which resulted in the release. Caller states substance released to a storm drain. Caller states this occurred between 2330 Hrs 09/23/13 and 0630 Hrs 09/24/13. Caller states this was a continual release as water was going into the tank and exiting from the open valve on the tank. Caller stated that the release was a solution of approximately 99% De-Ionized water and 1% Industrial Salt. Caller states the valve has been closed and the release is secure. Clean-up has been completed.

HAZNET:

Name:	ADMEDES INC
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945510000
Contact:	RAUL DIESTRO
Telephone:	9254526483
Mailing Name:	Not reported
Mailing Address:	2800 COLLIER CANYON RD
Year:	2021
Gepaid:	CAR000208728
TSD EPA ID:	CAT080014079
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.59
Year:	2021

ADMEDES INC (Continued) **1014387367**

Gepaid: CAR000208728
TSD EPA ID: CAD008302903
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.12

Year: 2021
Gepaid: CAR000208728
TSD EPA ID: MND981098478
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H100 -
Tons: 1.30418

Year: 2021
Gepaid: CAR000208728
TSD EPA ID: ILD098642424
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.03

Year: 2021
Gepaid: CAR000208728
TSD EPA ID: CAD008302903
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.8

Year: 2021
Gepaid: CAR000208728
TSD EPA ID: CAT080014079
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 8.65

Year: 2021
Gepaid: CAR000208728
TSD EPA ID: CAT080014079
CA Waste Code: 132 - Aqueous solution with metals (< restricted levels and (Alkaline solution (pH >= 12.5) with metals))
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1

Year: 2021
Gepaid: CAR000208728
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: 0.775

Year: 2021
Gepaid: CAR000208728
TSD EPA ID: CAD008302903

ADMEDES INC (Continued) **1014387367**

CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.11

Year: 2020
Gepaid: CAR000208728
TSD EPA ID: CAD008302903
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.425

Click this hyperlink while viewing on your computer to access
84 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:
Year: 2020
EM Manifest ID: 0cee1f55-dc2b-4a3c-81e4-7deb90c2749a
Shipment Date: 9/25/2020
Receipt Date: 10/7/2020
Manifest Number: 020209729JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-0000
Telephone: 925-452-6483
Contact: RAUL N DIESTRO
Contact Telephone: 925-452-6483
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MND044176113
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MND981098478
TSDF Name: EVOQUA WATER TECHNOLOGIES, LLC 2430 ROSE PLACE
TSDF Address 1: ROSE PLACE
TSDF Address 2: Not reported
TSDF City: ROSEVILLE
TSDF Zip: 55113
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 0cee1f55-dc2b-4a3c-81e4-7deb90c2749a
Generator EPA ID: CAR000208728
Shipment Date: 2020-09-25
Manifest Number: 020209729JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.10920
Quantity Waste: 26.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs

ADMEDES INC (Continued) **1014387367**

Quantity Type: Gallons
State Code: 135

Year: 2020
EM Manifest ID: 0cee1f55-dc2b-4a3c-81e4-7deb90c2749a
Generator EPA ID: CAR000208728
Shipment Date: 2020-09-25
Manifest Number: 020209729JJK
Line Number: 2
Method Code: H100
Quantity Tons: 0.43680
Quantity Waste: 104.000000
Quantity Unit: G
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 135

Year: 2020
EM Manifest ID: 26600c80-07f8-4a25-ba83-77c27956a5ad
Shipment Date: 9/11/2020
Receipt Date: 9/23/2020
Manifest Number: 020209707JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-0000
Telephone: 925-452-6483
Contact: RAUL N DIESTRO
Contact Telephone: 925-452-6483
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MND044176113
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MND981098478
TSDF Name: EVOQUA WATER TECHNOLOGIES, LLC 2430 ROSE PLACE
TSDF Address 1: ROSE PLACE
TSDF Address 2: Not reported
TSDF City: ROSEVILLE
TSDF Zip: 55113
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 26600c80-07f8-4a25-ba83-77c27956a5ad
Generator EPA ID: CAR000208728
Shipment Date: 2020-09-11
Manifest Number: 020209707JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.10920
Quantity Waste: 26.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs

ADMEDES INC (Continued) **1014387367**

Quantity Type: Gallons
State Code: 135

Year: 2020
EM Manifest ID: 3f5f5e73-cbb8-4327-8ea4-2d7a3851ac33
Shipment Date: 6/5/2020
Receipt Date: 6/17/2020
Manifest Number: 020209676JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-0000
Telephone: 925-452-6483
Contact: RAUL N DIESTRO
Contact Telephone: 925-452-6483
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MND044176113
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MND981098478
TSDF Name: EVOQUA WATER TECHNOLOGIES, LLC 2430 ROSE PLACE
TSDF Address 1: ROSE PLACE
TSDF Address 2: Not reported
TSDF City: ROSEVILLE
TSDF Zip: 55113
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 3f5f5e73-cbb8-4327-8ea4-2d7a3851ac33
Generator EPA ID: CAR000208728
Shipment Date: 2020-06-05
Manifest Number: 020209676JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.10920
Quantity Waste: 26.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 135

Year: 2020
EM Manifest ID: 3f5f5e73-cbb8-4327-8ea4-2d7a3851ac33
Generator EPA ID: CAR000208728
Shipment Date: 2020-06-05
Manifest Number: 020209676JJK
Line Number: 2
Method Code: NULL
Quantity Tons: 0.00000
Quantity Waste: 0.000000
Quantity Unit: G
Number of Containers: 0
Type of Container: Fiberboard or plastic drums, barrels, kegs

ADMEDES INC (Continued) **1014387367**

Quantity Type: Gallons
State Code: 135

Year: 2020
EM Manifest ID: 1144393
Shipment Date: 3/6/2020
Receipt Date: 3/11/2020
Manifest Number: 020209647JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-0000
Telephone: 925-452-6483
Contact: RAUL N DIESTRO
Contact Telephone: 925-452-6483
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MND044176113
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MND981098478
TSDF Name: EVOQUA WATER TECHNOLOGIES LLC 2430 ROSE PLACE
TSDF Address 1: ROSE PLACE
TSDF Address 2: Not reported
TSDF City: ROSEVILLE
TSDF Zip: 55113
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 1144393
Generator EPA ID: CAR000208728
Shipment Date: 2020-03-06
Manifest Number: 020209647JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.10920
Quantity Waste: 26.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 135

Year: 2020
EM Manifest ID: 1144393
Generator EPA ID: CAR000208728
Shipment Date: 2020-03-06
Manifest Number: 020209647JJK
Line Number: 2
Method Code: H100
Quantity Tons: 0.32760
Quantity Waste: 78.000000
Quantity Unit: G
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs

ADMEDES INC (Continued) **1014387367**

Quantity Type: Gallons
State Code: 135

Year: 2020
EM Manifest ID: 1009537
Shipment Date: 2/6/2020
Receipt Date: 2/12/2020
Manifest Number: 001517403VES
Generator EPA ID: CAR000208728
Name: ADMEDES, INC.
Address: 2800 COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-9201
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 925-452-6502
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008302903
TSDF Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1: W FIRST ST
TSDF Address 2: Not reported
TSDF City: AZUSA
TSDF Zip: 91702
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 1009537
Generator EPA ID: CAR000208728
Shipment Date: 2020-02-06
Manifest Number: 001517403VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.06500
Quantity Waste: 130.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 135

Year: 2020
EM Manifest ID: 904785
Shipment Date: 12/13/2019
Receipt Date: 12/18/2019
Manifest Number: 020209614JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-0000

ADMEDES INC (Continued) **1014387367**

Telephone:	925-452-6483
Contact:	Not reported
Contact Telephone:	925-452-6483
Transporter 1 EPA ID:	MIK103800723
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MND044176113
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	MND981098478
TSDF Name:	EVOQUA WATER TECHNOLOGIES LLC 2430 ROSE PLACE
TSDF Address 1:	ROSE PLACE
TSDF Address 2:	Not reported
TSDF City:	ROSEVILLE
TSDF Zip:	55113
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	904785
Generator EPA ID:	CAR000208728
Shipment Date:	2019-12-13
Manifest Number:	020209614JJK
Line Number:	1
Method Code:	H100
Quantity Tons:	0.10920
Quantity Waste:	26.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	135

Year:	2020
EM Manifest ID:	904785
Generator EPA ID:	CAR000208728
Shipment Date:	2019-12-13
Manifest Number:	020209614JJK
Line Number:	2
Method Code:	H100
Quantity Tons:	0.32760
Quantity Waste:	78.000000
Quantity Unit:	G
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	135

Year:	2020
EM Manifest ID:	971654
Shipment Date:	1/14/2020
Receipt Date:	1/22/2020
Manifest Number:	001517963VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES, INC.
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9201

ADMEDES INC (Continued) **1014387367**

Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	971654
Generator EPA ID:	CAR000208728
Shipment Date:	2020-01-14
Manifest Number:	001517963VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	971654
Generator EPA ID:	CAR000208728
Shipment Date:	2020-01-14
Manifest Number:	001517963VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	971654
Generator EPA ID:	CAR000208728
Shipment Date:	2020-01-14
Manifest Number:	001517963VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

ADMEDES INC (Continued) **1014387367**

Quantity Type: Pounds
Federal Code: F003

State:
Year: 2020
EM Manifest ID: 971654
Generator EPA ID: CAR000208728
Shipment Date: 2020-01-14
Manifest Number: 001517963VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.25000
Quantity Waste: 500.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2020
EM Manifest ID: 971654
Generator EPA ID: CAR000208728
Shipment Date: 2020-01-14
Manifest Number: 001517963VES
Line Number: 2
Method Code: H141
Quantity Tons: 0.22500
Quantity Waste: 450.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 221

Detail Two:
Year: 2019
EM Manifest ID: 758804
Shipment Date: 8/31/2018
Receipt Date: 9/12/2018
Manifest Number: 006997291JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: 2800 COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-0000
Telephone: 925-452-6483
Contact: Not reported
Contact Telephone: 925-452-6483
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MND044176113
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MND981098478
TSDF Name: EVOQUA WATER TECHNOLOGIES LLC 2430 ROSE PLACE

ADMEDES INC (Continued) **1014387367**

TSDF Address 1: 2430 ROSE PLACE
TSDF Address 2: Not reported
TSDF City: ROSEVILLE
TSDF Zip: 55113
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 758804
Generator EPA ID: CAR000208728
Shipment Date: 2018-08-31
Manifest Number: 006997291JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.10920
Quantity Waste: 26.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 135

Year: 2019
EM Manifest ID: 758804
Generator EPA ID: CAR000208728
Shipment Date: 2018-08-31
Manifest Number: 006997291JJK
Line Number: 2
Method Code: H100
Quantity Tons: 0.21840
Quantity Waste: 52.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 135

Year: 2019
EM Manifest ID: f58ce465-6baa-4de2-8faa-556ec747fd34
Shipment Date: 8/27/2019
Receipt Date: 9/4/2019
Manifest Number: 001717154VES
Generator EPA ID: CAR000208728
Name: ADMEDES, INC.
Address: 2800 COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-9201
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 925-452-6502
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008302903
TSDF Name: VEOLIA ES TECHNICAL SOLUTIONS LLC

ADMEDES INC (Continued) **1014387367**

TSDF Address 1: 1704 W FIRST ST
TSDF Address 2: Not reported
TSDF City: AZUSA
TSDF Zip: 91702
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: f58ce465-6baa-4de2-8faa-556ec747fd34
Generator EPA ID: CAR000208728
Shipment Date: 2019-08-27
Manifest Number: 001717154VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: f58ce465-6baa-4de2-8faa-556ec747fd34
Generator EPA ID: CAR000208728
Shipment Date: 2019-08-27
Manifest Number: 001717154VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: f58ce465-6baa-4de2-8faa-556ec747fd34
Generator EPA ID: CAR000208728
Shipment Date: 2019-08-27
Manifest Number: 001717154VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

State:
Year: 2019
EM Manifest ID: f58ce465-6baa-4de2-8faa-556ec747fd34
Generator EPA ID: CAR000208728
Shipment Date: 2019-08-27

ADMEDES INC (Continued) **1014387367**

Manifest Number:	001717154VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791

Year:	2019
EM Manifest ID:	f58ce465-6baa-4de2-8faa-556ec747fd34
Generator EPA ID:	CAR000208728
Shipment Date:	2019-08-27
Manifest Number:	001717154VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	135

Year:	2019
EM Manifest ID:	464242
Shipment Date:	7/18/2019
Receipt Date:	7/24/2019
Manifest Number:	001717906VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES, INC.
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9201
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	464242
Generator EPA ID:	CAR000208728
Shipment Date:	2019-07-18

ADMEDES INC (Continued) **1014387367**

Manifest Number: 001717906VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 464242
Generator EPA ID: CAR000208728
Shipment Date: 2019-07-18
Manifest Number: 001717906VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 464242
Generator EPA ID: CAR000208728
Shipment Date: 2019-07-18
Manifest Number: 001717906VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

State:
Year: 2019
EM Manifest ID: 464242
Generator EPA ID: CAR000208728
Shipment Date: 2019-07-18
Manifest Number: 001717906VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

ADMEDES INC (Continued) **1014387367**

Year:	2019
EM Manifest ID:	464242
Generator EPA ID:	CAR000208728
Shipment Date:	2019-07-18
Manifest Number:	001717906VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	135

Year:	2019
EM Manifest ID:	414476
Shipment Date:	6/14/2019
Receipt Date:	6/24/2019
Manifest Number:	001723247VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES, INC.
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9201
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	414476
Generator EPA ID:	CAR000208728
Shipment Date:	2019-06-14
Manifest Number:	001723247VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.08000
Quantity Waste:	160.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	135

ADMEDES INC (Continued) **1014387367**

Year:	2019
EM Manifest ID:	363628
Shipment Date:	5/3/2019
Receipt Date:	5/10/2019
Manifest Number:	001722927VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES, INC.
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9201
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	363628
Generator EPA ID:	CAR000208728
Shipment Date:	2019-05-03
Manifest Number:	001722927VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	363628
Generator EPA ID:	CAR000208728
Shipment Date:	2019-05-03
Manifest Number:	001722927VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019

ADMEDES INC (Continued) **1014387367**

EM Manifest ID: 363628
Generator EPA ID: CAR000208728
Shipment Date: 2019-05-03
Manifest Number: 001722927VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

State:
Year: 2019
EM Manifest ID: 363628
Generator EPA ID: CAR000208728
Shipment Date: 2019-05-03
Manifest Number: 001722927VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 363628
Generator EPA ID: CAR000208728
Shipment Date: 2019-05-03
Manifest Number: 001722927VES
Line Number: 2
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 135

Year: 2019
EM Manifest ID: 396527
Shipment Date: 5/21/2019
Receipt Date: 5/29/2019
Manifest Number: 001723781VES
Generator EPA ID: CAR000208728
Name: ADMEDES, INC.
Address: 2800 COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-9201

ADMEDES INC (Continued) **1014387367**

Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	396527
Generator EPA ID:	CAR000208728
Shipment Date:	2019-05-21
Manifest Number:	001723781VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	396527
Generator EPA ID:	CAR000208728
Shipment Date:	2019-05-21
Manifest Number:	001723781VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	396527
Generator EPA ID:	CAR000208728
Shipment Date:	2019-05-21
Manifest Number:	001723781VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

ADMEDES INC (Continued) **1014387367**

Quantity Type: Pounds
Federal Code: F003

State:
Year: 2019
EM Manifest ID: 396527
Generator EPA ID: CAR000208728
Shipment Date: 2019-05-21
Manifest Number: 001723781VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 7814
Shipment Date: 4/26/2019
Receipt Date: 5/9/2019
Manifest Number: 020209502JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: 2800 COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-0000
Telephone: 925-452-6483
Contact: Not reported
Contact Telephone: 925-452-6483
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MND044176113
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MND981098478
TSDF Name: EVOQUA WATER TECHNOLOGIES LLC 2430 ROSE PLACE
TSDF Address 1: 2430 ROSE PLACE
TSDF Address 2: Not reported
TSDF City: ROSEVILLE
TSDF Zip: 55113
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 7814
Generator EPA ID: CAR000208728
Shipment Date: 2019-04-26
Manifest Number: 020209502JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.21840
Quantity Waste: 52.000000
Quantity Unit: G

ADMEDES INC (Continued) **1014387367**

Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	135

Year:	2019
EM Manifest ID:	7814
Generator EPA ID:	CAR000208728
Shipment Date:	2019-04-26
Manifest Number:	020209502JJK
Line Number:	2
Method Code:	H100
Quantity Tons:	0.65520
Quantity Waste:	156.000000
Quantity Unit:	G
Number of Containers:	6
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	135

Year:	2019
EM Manifest ID:	334942
Shipment Date:	4/16/2019
Receipt Date:	4/24/2019
Manifest Number:	001722957VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES, INC.
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9201
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	334942
Generator EPA ID:	CAR000208728
Shipment Date:	2019-04-16
Manifest Number:	001722957VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P

ADMEDES INC (Continued) **1014387367**

Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 334942
Generator EPA ID: CAR000208728
Shipment Date: 2019-04-16
Manifest Number: 001722957VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 334942
Generator EPA ID: CAR000208728
Shipment Date: 2019-04-16
Manifest Number: 001722957VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

State:
Year: 2019
EM Manifest ID: 334942
Generator EPA ID: CAR000208728
Shipment Date: 2019-04-16
Manifest Number: 001722957VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 334942
Generator EPA ID: CAR000208728
Shipment Date: 2019-04-16
Manifest Number: 001722957VES
Line Number: 2

ADMEDES INC (Continued) **1014387367**

Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	221

Year:	2019
EM Manifest ID:	4210
Shipment Date:	3/7/2019
Receipt Date:	3/13/2019
Manifest Number:	006997464JJK
Generator EPA ID:	CAR000208728
Name:	ADMEDES INC
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-0000
Telephone:	925-452-6483
Contact:	Not reported
Contact Telephone:	925-452-6483
Transporter 1 EPA ID:	MIK103800723
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MND044176113
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	MND981098478
TSDF Name:	EVOQUA WATER TECHNOLOGIES LLC 2430 ROSE PLACE
TSDF Address 1:	2430 ROSE PLACE
TSDF Address 2:	Not reported
TSDF City:	ROSEVILLE
TSDF Zip:	55113
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	4210
Generator EPA ID:	CAR000208728
Shipment Date:	2019-03-07
Manifest Number:	006997464JJK
Line Number:	1
Method Code:	H100
Quantity Tons:	0.10920
Quantity Waste:	26.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	135

Year:	2019
EM Manifest ID:	4210
Generator EPA ID:	CAR000208728
Shipment Date:	2019-03-07
Manifest Number:	006997464JJK
Line Number:	2

ADMEDES INC (Continued) **1014387367**

Method Code:	H100
Quantity Tons:	0.32760
Quantity Waste:	78.000000
Quantity Unit:	G
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	135

Year:	2019
EM Manifest ID:	81a7e4f0-6c71-4f09-9e56-b7502ba1f926
Shipment Date:	3/29/2019
Receipt Date:	4/5/2019
Manifest Number:	001722663VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES, INC.
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9201
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	81a7e4f0-6c71-4f09-9e56-b7502ba1f926
Generator EPA ID:	CAR000208728
Shipment Date:	2019-03-29
Manifest Number:	001722663VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	135

Detail Two:

Year:	2018
EM Manifest ID:	006997043JJK20170929_D_1
Shipment Date:	9/29/2017

ADMEDES INC (Continued) **1014387367**

Receipt Date:	10/11/2017
Manifest Number:	006997043JJK
Generator EPA ID:	CAR000208728
Name:	ADMEDES INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MIK103800723
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MND044176113
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	MND981098478
TSDF Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006997043JJK20170929_D_1
Generator EPA ID:	CAR000208728
Shipment Date:	2017-09-29
Manifest Number:	006997043JJK
Line Number:	1
Method Code:	H100
Quantity Tons:	0.21840
Quantity Waste:	52.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135

Year:	2018
EM Manifest ID:	006997043JJK20170929_D_1
Generator EPA ID:	CAR000208728
Shipment Date:	2017-09-29
Manifest Number:	006997043JJK
Line Number:	2
Method Code:	H100
Quantity Tons:	0.21840
Quantity Waste:	52.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135

Year:	2018
EM Manifest ID:	111629
Shipment Date:	9/26/2018

ADMEDES INC (Continued) **1014387367**

Receipt Date:	10/3/2018
Manifest Number:	001520767VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES, INC.
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9201
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	107 SOUTH MOTOR AVENUE
TSDF Address 2:	Not reported
TSDF City:	IRWINDALE
TSDF Zip:	91702
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	111629
Generator EPA ID:	CAR000208728
Shipment Date:	2018-09-26
Manifest Number:	001520767VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	135

Year:	2018
EM Manifest ID:	001243202VES20170822_D_1
Shipment Date:	8/22/2017
Receipt Date:	8/25/2017
Manifest Number:	001243202VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not reported

ADMEDES INC (Continued) **1014387367**

TSDF EPA ID: CAD008302903
TSDF Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 001243202VES20170822_D_1
Generator EPA ID: CAR000208728
Shipment Date: 2017-08-22
Manifest Number: 001243202VES
Line Number: 1
Method Code: H020
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 221

Year: 2018
EM Manifest ID: 68334
Shipment Date: 8/21/2018
Receipt Date: 8/24/2018
Manifest Number: 001414254VES
Generator EPA ID: CAR000208728
Name: ADMEDES, INC.
Address: 2800 COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551-9201
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 925-452-6502
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008302903
TSDF Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1: 107 SOUTH MOTOR AVENUE
TSDF Address 2: Not reported
TSDF City: IRWINDALE
TSDF Zip: 91702
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 68334
Generator EPA ID: CAR000208728
Shipment Date: 2018-08-21
Manifest Number: 001414254VES
Line Number: 1

ADMEDES INC (Continued) **1014387367**

Method Code:	H061
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	221

Year:	2018
EM Manifest ID:	87650
Shipment Date:	7/31/2018
Receipt Date:	8/3/2018
Manifest Number:	001414248VES
Generator EPA ID:	CAR000208728
Name:	ADMEDES, INC.
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9201
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-452-6502
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	107 SOUTH MOTOR AVENUE
TSDF Address 2:	Not reported
TSDF City:	IRWINDALE
TSDF Zip:	91702
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	87650
Generator EPA ID:	CAR000208728
Shipment Date:	2018-07-31
Manifest Number:	001414248VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	135

Year:	2018
EM Manifest ID:	001243236VES20170721_D_1
Shipment Date:	7/21/2017
Receipt Date:	7/28/2017
Manifest Number:	001243236VES

ADMEDES INC (Continued) **1014387367**

Generator EPA ID:	CAR000208728
Name:	ADMEDES INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	001243236VES20170721_D_1
Generator EPA ID:	CAR000208728
Shipment Date:	2017-07-21
Manifest Number:	001243236VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135

Year:	2018
EM Manifest ID:	006997010JJK20170630_D_1
Shipment Date:	6/30/2017
Receipt Date:	7/5/2017
Manifest Number:	006997010JJK
Generator EPA ID:	CAR000208728
Name:	ADMEDES INC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MIK103800723
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MND044176113
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	MND981098478
TSDF Name:	EVOQUA WATER TECHNOLOGIES LLC

ADMEDES INC (Continued) **1014387367**

TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006997010JJK20170630_D_1
Generator EPA ID: CAR000208728
Shipment Date: 2017-06-30
Manifest Number: 006997010JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.10920
Quantity Waste: 26.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 135

Year: 2018
EM Manifest ID: 006997010JJK20170630_D_1
Generator EPA ID: CAR000208728
Shipment Date: 2017-06-30
Manifest Number: 006997010JJK
Line Number: 2
Method Code: H100
Quantity Tons: 0.21840
Quantity Waste: 52.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 135

Year: 2018
EM Manifest ID: 006997208JJK20180615_D_1
Shipment Date: 6/15/2018
Receipt Date: 6/20/2018
Manifest Number: 006997208JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MND044176113
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MND981098478
TSDF Name: EVOQUA WATER TECHNOLOGIES LLC

ADMEDES INC (Continued) **1014387367**

TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006997208JJK20180615_D_1
Generator EPA ID: CAR000208728
Shipment Date: 2018-06-15
Manifest Number: 006997208JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.10920
Quantity Waste: 26.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 135

Year: 2018
EM Manifest ID: 006997208JJK20180615_D_1
Generator EPA ID: CAR000208728
Shipment Date: 2018-06-15
Manifest Number: 006997208JJK
Line Number: 2
Method Code: H100
Quantity Tons: 0.21840
Quantity Waste: 52.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 135

Year: 2018
EM Manifest ID: 001234691VES20180518_D_1
Shipment Date: 5/18/2018
Receipt Date: 5/25/2018
Manifest Number: 001234691VES
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008302903
TSDF Name: VEOLIA ES TECHNICAL SOLUTIONS LLC

ADMEDES INC (Continued) **1014387367**

TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 001234691VES20180518_D_1
Generator EPA ID: CAR000208728
Shipment Date: 2018-05-18
Manifest Number: 001234691VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.02500
Quantity Waste: 50.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 135

Year: 2018
EM Manifest ID: 006999476JJK20170515_D_1
Shipment Date: 5/15/2017
Receipt Date: 5/24/2017
Manifest Number: 006999476JJK
Generator EPA ID: CAR000208728
Name: ADMEDES INC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MND044176113
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: MND981098478
TSDF Name: EVOQUA WATER TECHNOLOGIES LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006999476JJK20170515_D_1
Generator EPA ID: CAR000208728
Shipment Date: 2017-05-15
Manifest Number: 006999476JJK
Line Number: 1
Method Code: H100
Quantity Tons: 0.10920

ADMEDES INC (Continued) **1014387367**

Quantity Waste:	26.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135
Year:	2018
EM Manifest ID:	006999476JJK20170515_D_1
Generator EPA ID:	CAR000208728
Shipment Date:	2017-05-15
Manifest Number:	006999476JJK
Line Number:	2
Method Code:	H100
Quantity Tons:	0.21840
Quantity Waste:	52.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135

Additional Info:

Year:	2017
Gen EPA ID:	CAR000208728
Shipment Date:	20171212
Creation Date:	8/7/2018 18:30:34
Receipt Date:	20171220
Manifest ID:	001235729VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
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:	20171212
Creation Date:	8/7/2018 18:30:34
Receipt Date:	20171220
Manifest ID:	001235729VES
Trans EPA ID:	NJD080631369

ADMEDES INC (Continued) **1014387367**

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:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
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:	20171212
Creation Date:	8/7/2018 18:30:34
Receipt Date:	20171220
Manifest ID:	001235729VES
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:	181 - Other inorganic solid waste 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:	0.12
Waste Quantity:	240
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:	20171024
Creation Date:	6/26/2018 18:30:22
Receipt Date:	20171031
Manifest ID:	001232627VES
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

ADMEDES INC (Continued) **1014387367**

TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
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:	7/19/2018 18:30:16
Receipt Date:	20171011
Manifest ID:	001232574VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
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:	20171006
Creation Date:	7/19/2018 18:30:16
Receipt Date:	20171011
Manifest ID:	001232574VES
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:	181 - Other inorganic solid waste 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:	0.12
Waste Quantity:	240

ADMEDES INC (Continued) **1014387367**

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:	7/19/2018 18:30:16
Receipt Date:	20171011
Manifest ID:	001232574VES
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:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
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
Shipment Date:	20171006
Creation Date:	5/17/2018 18:30:51
Receipt Date:	20171011
Manifest ID:	001232573VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
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

ADMEDES INC (Continued) **1014387367**

Shipment Date:	20170929
Creation Date:	7/13/2018 18:30:08
Receipt Date:	20171011
Manifest ID:	006997043JJK
Trans EPA ID:	MIK103800723
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
Trans 2 EPA ID:	MND044176113
Trans 2 Name:	PIONEER TANK LINES INC
TSDF EPA ID:	MND981098478
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H100 - Not reported
Quantity Tons:	0.2184
Waste Quantity:	52
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:	20170929
Creation Date:	7/13/2018 18:30:08
Receipt Date:	20171011
Manifest ID:	006997043JJK
Trans EPA ID:	MIK103800723
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
Trans 2 EPA ID:	MND044176113
Trans 2 Name:	PIONEER TANK LINES INC
TSDF EPA ID:	MND981098478
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H100 - Not reported
Quantity Tons:	0.2184
Waste Quantity:	52
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:	2016
Gen EPA ID:	CAR000208728

Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151223
Manifest ID:	000940611VES
Trans EPA ID:	NJD080631369

ADMEDES INC (Continued) **1014387367**

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:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
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

Shipment Date:	20151208
Creation Date:	2/9/2016 22:15:57
Receipt Date:	20151216
Manifest ID:	000938628VES
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:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
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:	20151208
Creation Date:	2/9/2016 22:15:57
Receipt Date:	20151216
Manifest ID:	000938628VES
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:	135 - Unspecified aqueous solution

ADMEDES INC (Continued) **1014387367**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
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
Shipment Date:	20151208
Creation Date:	2/9/2016 22:15:57
Receipt Date:	20151216
Manifest ID:	000938628VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.02
Waste Quantity:	40
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:	20151023
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151028
Manifest ID:	000939219VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

ADMEDES INC (Continued) **1014387367**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151009
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151014
Manifest ID:	006999095JJK
Trans EPA ID:	MIK103800723
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
Trans 2 EPA ID:	MND044176113
Trans 2 Name:	PIONEER TANK LINES INC
TSDF EPA ID:	MND981098478
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H100 - Not reported
Quantity Tons:	0.1092
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:	20151009
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151014
Manifest ID:	006999095JJK
Trans EPA ID:	MIK103800723
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
Trans 2 EPA ID:	MND044176113
Trans 2 Name:	PIONEER TANK LINES INC
TSDF EPA ID:	MND981098478
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H100 - Not reported
Quantity Tons:	0.2184
Waste Quantity:	52
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:	20150915
Creation Date:	11/6/2015 22:15:24
Receipt Date:	20150922
Manifest ID:	000942205VES
Trans EPA ID:	NJD080631369

ADMEDES INC (Continued) **1014387367**

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:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20150915
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150918
Manifest ID:	000942204VES
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:	181 - Other inorganic solid waste 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:	0.12
Waste Quantity:	240
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:	20150915
Creation Date:	11/6/2015 22:15:24
Receipt Date:	20150922
Manifest ID:	000942205VES
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

ADMEDES INC (Continued) **1014387367**

Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
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:	CAR000208728
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151223
Manifest ID:	000940611VES
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:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
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
Shipment Date:	20151208
Creation Date:	2/9/2016 22:15:57
Receipt Date:	20151216
Manifest ID:	000938628VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.02

ADMEDES INC (Continued) **1014387367**

Waste Quantity:	40
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:	20151208
Creation Date:	2/9/2016 22:15:57
Receipt Date:	20151216
Manifest ID:	000938628VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
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
Shipment Date:	20151208
Creation Date:	2/9/2016 22:15:57
Receipt Date:	20151216
Manifest ID:	000938628VES
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:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
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

ADMEDES INC (Continued) **1014387367**

Shipment Date:	20151023
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151028
Manifest ID:	000939219VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
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

Shipment Date:	20151009
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151014
Manifest ID:	006999095JJK
Trans EPA ID:	MIK103800723
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
Trans 2 EPA ID:	MND044176113
Trans 2 Name:	PIONEER TANK LINES INC
TSDF EPA ID:	MND981098478
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H100 - Not reported
Quantity Tons:	0.2184
Waste Quantity:	52
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:	20151009
Creation Date:	5/4/2016 22:15:48
Receipt Date:	20151014
Manifest ID:	006999095JJK
Trans EPA ID:	MIK103800723
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
Trans 2 EPA ID:	MND044176113
Trans 2 Name:	PIONEER TANK LINES INC

ADMEDES INC (Continued) **1014387367**

TSDF EPA ID:	MND981098478
Trans Name:	EVOQUA WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H100 - Not reported
Quantity Tons:	0.1092
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:	20150915
Creation Date:	11/6/2015 22:15:24
Receipt Date:	20150922
Manifest ID:	000942205VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20150915
Creation Date:	11/6/2015 22:15:24
Receipt Date:	20150922
Manifest ID:	000942205VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

ADMEDES INC (Continued) **1014387367**

Quantity Tons:	0.05
Waste Quantity:	100
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:	20150915
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150918
Manifest ID:	000942204VES
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:	181 - Other inorganic solid waste 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:	0.12
Waste Quantity:	240
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:	CAR000208728
Shipment Date:	20141030
Creation Date:	1/8/2015 22:15:01
Receipt Date:	20141105
Manifest ID:	000934437VES
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:	181 - Other inorganic solid waste 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:	0.025
Waste Quantity:	50
Quantity Unit:	P

ADMEDES INC (Continued) **1014387367**

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:	20141030
Creation Date:	1/8/2015 22:15:01
Receipt Date:	20141105
Manifest ID:	000934437VES
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:	181 - Other inorganic solid waste 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:	0.12
Waste Quantity:	240
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:	20140916
Creation Date:	12/31/2014 22:14:46
Receipt Date:	20140923
Manifest ID:	000934150VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
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:	20140916

ADMEDES INC (Continued) **1014387367**

Creation Date:	11/8/2014 22:15:16
Receipt Date:	20140924
Manifest ID:	000934149VES
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:	181 - Other inorganic solid waste 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:	0.35
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:	20140828
Creation Date:	11/6/2014 22:14:59
Receipt Date:	20140903
Manifest ID:	000932778VES
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:	181 - Other inorganic solid waste 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:	0.025
Waste Quantity:	50
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:	20140519
Creation Date:	8/10/2014 22:15:05
Receipt Date:	20140528
Manifest ID:	000744766VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

ADMEDES INC (Continued) **1014387367**

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:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
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:	20140224
Creation Date:	4/9/2014 22:15:13
Receipt Date:	20140228
Manifest ID:	000778963VES
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:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20140224
Creation Date:	4/9/2014 22:15:13
Receipt Date:	20140228
Manifest ID:	000778963VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

ADMEDES INC (Continued) **1014387367**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
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:	20140210
Creation Date:	3/21/2014 22:15:11
Receipt Date:	20140212
Manifest ID:	000772597VES
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:	792 - Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20140113
Creation Date:	3/2/2014 22:15:16
Receipt Date:	20140115
Manifest ID:	000772522VES
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:	181 - Other inorganic solid waste 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:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

ADMEDES INC (Continued) **1014387367**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAR000208728
Shipment Date:	20131220
Creation Date:	1/29/2014 22:15:06
Receipt Date:	20131226
Manifest ID:	000933713VES
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:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20131220
Creation Date:	2/24/2014 22:15:07
Receipt Date:	20131226
Manifest ID:	000933714VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
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

ADMEDES INC (Continued) **1014387367**

Shipment Date:	20131220
Creation Date:	1/29/2014 22:15:06
Receipt Date:	20131226
Manifest ID:	000933713VES
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:	123 - Unspecified alkaline solution
RCRA Code:	D002
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:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131220
Creation Date:	1/29/2014 22:15:06
Receipt Date:	20131226
Manifest ID:	000933713VES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
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:	20131220
Creation Date:	2/24/2014 22:15:07
Receipt Date:	20131226
Manifest ID:	000933714VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

ADMEDES INC (Continued) **1014387367**

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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
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:	20131220
Creation Date:	1/29/2014 22:15:06
Receipt Date:	20131226
Manifest ID:	000933713VES
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:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20131220
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000933713VES
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:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported

ADMEDES INC (Continued) **1014387367**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20131209
Creation Date:	2/24/2014 22:15:07
Receipt Date:	20131210
Manifest ID:	000769986VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
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:	20131209
Creation Date:	1/17/2014 22:15:06
Receipt Date:	20131211
Manifest ID:	000769985VES
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:	792 - Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

ADMEDES INC (Continued) **1014387367**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131209
Creation Date:	1/17/2014 22:15:06
Receipt Date:	20131211
Manifest ID:	000769985VES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

Additional Info:

Year:	2012
Gen EPA ID:	CAR000208728
Shipment Date:	20121221
Creation Date:	3/21/2013 22:15:06
Receipt Date:	20130109
Manifest ID:	000573398VES
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:	792 - Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
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

ADMEDES INC (Continued) **1014387367**

Shipment Date:	20121221
Creation Date:	3/4/2013 22:15:14
Receipt Date:	20121228
Manifest ID:	000573399VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
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:	20121210
Creation Date:	3/1/2013 22:15:08
Receipt Date:	20121221
Manifest ID:	000771259VES
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:	181 - Other inorganic solid waste 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:	0.015
Waste Quantity:	30
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:	20121210
Creation Date:	3/7/2013 22:15:08
Receipt Date:	20121218
Manifest ID:	000771258VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

ADMEDES INC (Continued) **1014387367**

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:	792 - Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
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:	20121210
Creation Date:	3/1/2013 22:15:08
Receipt Date:	20121221
Manifest ID:	000771259VES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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
Shipment Date:	20121127
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121204
Manifest ID:	000542193VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

ADMEDES INC (Continued) **1014387367**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
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:	20121127
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121204
Manifest ID:	000542193VES
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:	792 - Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.4
Waste Quantity:	4800
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:	20121112
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121120
Manifest ID:	000782795VES
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:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

ADMEDES INC (Continued) **1014387367**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121112
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121120
Manifest ID:	000782795VES
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:	792 - Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.4
Waste Quantity:	4800
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:	20121107
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121113
Manifest ID:	000782650VES
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:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

NPDES:

Name:	ADMEDES INC
Address:	2800 COLLIER CANYON ROAD

ADMEDES INC (Continued) **1014387367**

City,State,Zip:	LIVERMORE, CA 94551
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 01NEC011062
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:	05/26/2022
Operator Name:	Admedes Inc
Operator Address:	2800 Collier Canyon Road
Operator City:	Livermore
Operator State:	California
Operator Zip:	94551

Name:	ADMEDES INC
Address:	2800 COLLIER CANYON ROAD
City,State,Zip:	LIVERMORE, CA 94551
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	550038
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 01NEC011062
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/26/2022
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2800 Collier Canyon Road
Discharge Name:	Admedes Inc
Discharge City:	Livermore
Discharge State:	California
Discharge Zip:	94551
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

ADMEDES INC (Continued) **1014387367**

CIWQS:

Name:	ADMEDES INC
Address:	2800 COLLIER CANYON ROAD
City,State,Zip:	LIVERMORE, CA 94551
Agency:	Admedes Inc
Agency Address:	2800 Collier Canyon Road, Livermore, CA 94551
Place/Project Type:	Industrial - Surgical and Medical Instruments and Apparatus
SIC/NAICS:	3841(+)
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 01NEC011062
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/26/2022
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:	37.70683
Longitude:	-121.80599

HWTS:

Name:	ADMEDES INC
Address:	2800 COLLIER CANYON RD
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000208728
Inactive Date:	06/30/2020
Create Date:	07/08/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2800 COLLIER CANYON RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LIVERMORE, CA 945510000
Owner Name:	ADMEDES INC
Owner Address:	2800 COLLIER CANYON RD
Owner Address 2:	Not reported
Owner City,State,Zip:	LIVERMORE, CA 945510000
Contact Name:	RAUL DIESTRO
Contact Address:	2800 COLLIER CANYON RD
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	37.706029
Longitude:	-121.805557

NAICS:

EPA ID:	CAR000208728

MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

ADMEDES INC (Continued) **1014387367**

Create Date:	2011-10-26 15:19:37.000
NAICS Code:	339113
NAICS Description:	Surgical Appliance and Supplies Manufacturing
Issued EPA ID Date:	2010-07-08 14:58:35
Inactive Date:	2020-06-30 00:00:00
Facility Name:	ADMEDES INC
Facility Address:	2800 COLLIER CANYON RD
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945510000

EPA ID:	CAR000208728
Create Date:	2011-10-26 15:19:37.000
NAICS Code:	339113
NAICS Description:	Surgical Appliance and Supplies Manufacturing
Issued EPA ID Date:	2010-07-08 14:58:35
Inactive Date:	2020-06-30 00:00:00
Facility Name:	ADMEDES INC
Facility Address:	2800 COLLIER CANYON RD
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945510000

I31 **BOOMERS** **CERS HAZ WASTE** **S121795474**
SW **2400 KITTY HAWK RD** **CERS** **N/A**
1/8-1/4 **LIVERMORE, CA 94551** **HWTS**
0.127 mi.
670 ft. **Site 1 of 2 in cluster I**

Relative:
Lower

Actual:
415 ft.

CERS HAZ WASTE:

Name:	BOOMERS
Address:	2400 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	99595
CERS ID:	10491259
CERS Description:	Hazardous Waste Generator

CERS:

Name:	BOOMERS
Address:	2400 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	99595
CERS ID:	10491259
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	99595
Site Name:	Boomers
Violation Date:	07-17-2015
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

BOOMERS (Continued) **S121795474**

at or above reportable quantities.
Violation Notes: Returned to compliance on 08/25/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 99595
Site Name: Boomers
Violation Date: 07-17-2015
Citation: 22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description: Failure of the universal waste handler to properly process accumulated universal waste within a maximum accumulation time of one year and /or demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received. The universal waste handler may make this demonstration by: 1) Placing the universal waste in a container and marking or labeling the container with the earliest date that any universal waste in the container became a waste or was received; 2) Marking or labeling the individual item of universal waste (e.g., each battery or thermostat) with the date it became a waste or was received; 3) Maintaining an inventory system onsite that identifies the date the universal waste being accumulated became a waste or was received; 4) Maintaining an inventory system onsite that identifies the earliest date that any universal waste in a group of items of universal waste or a group of containers of universal waste became a waste or was received; 5) Placing the universal waste in a specific accumulation area and marking or labeling the area to identify the earliest date that any universal waste in the area became a waste or was received; or 6) Any other method which clearly demonstrates the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes: Returned to compliance on 08/25/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 99595
Site Name: Boomers
Violation Date: 02-27-2020
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies) . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment . 3) Lamps shall be marked with Universal Waste-Lamp(s) . 4)Each electronic devices or the container or the designated area shall be marked with Universal Waste-Electronic Device(s) . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s) . 6) CRT glass or the designated area shall be marked with Universal Waste-CRT glass .
Violation Notes: Not reported
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

BOOMERS (Continued) **S121795474**

Site ID: 99595
Site Name: Boomers
Violation Date: 02-27-2020
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", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Not reported
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-25-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-17-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

BOOMERS (Continued) **S121795474**

Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-17-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-25-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 99595
Facility Name: Boomers
Env Int Type Code: HWG
Program ID: 10491259
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.699580
Longitude: -121.810200

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Livermore-Pleasanton FD
Entity Title: Not reported
Affiliation Address: 3560 Nevada Street
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94566
Affiliation Phone: (925) 454-2361,

Affiliation Type Desc: Operator
Entity Name: Cesar Carranza
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: (925) 575-7317,

Affiliation Type Desc: Document Preparer
Entity Name: Cesar Carranza
Entity Title: Not reported

BOOMERS (Continued) **S121795474**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Tim Murphy
Entity Title:	Not reported
Affiliation Address:	3100 Airport road
Affiliation City:	Boca Raton
Affiliation State:	FL
Affiliation Country:	United States
Affiliation Zip:	33431
Affiliation Phone:	(949) 349-8473,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BOOMERS
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:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Cesar Carranza
Entity Title:	Not reported
Affiliation Address:	2400 Kitty Hawk Road
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2400 Kitty hawk Rd
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95376
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Cesar Carranza
Entity Title:	Park Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

BOOMERS (Continued) **S121795474**

HWTS:

Name:	BOOMERS
Address:	2400 KITTY HAWK RD
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAL000361722
Inactive Date:	06/30/2012
Create Date:	03/11/2011
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2400 KITTY HAWK RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LIVERMORE, CA 945519415
Owner Name:	PALACE ENTERTAINMENT
Owner Address:	4590 MACARTHUR BLVD STE 400
Owner Address 2:	Not reported
Owner City,State,Zip:	NEWPORT BEACH, CA 926602027
Contact Name:	TERRANCE TROTTER
Contact Address:	2400 KITTY HAWK RD
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945519415
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	37.69971
Longitude:	-121.81007

NAICS:

EPA ID:	CAL000361722
Create Date:	2011-03-11 15:19:34.047
NAICS Code:	336399
NAICS Description:	All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date:	2011-03-11 15:19:34
Inactive Date:	2012-06-30 00:00:00
Facility Name:	BOOMERS
Facility Address:	2400 KITTY HAWK RD
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945519415

I32 **BOOMERS AMUSEMENT** **CUPA Listings** **S120762178**
SW **2400 KITTY HAWK ROAD** **N/A**
1/8-1/4 **LIVERMORE, CA**
0.127 mi.
670 ft. **Site 2 of 2 in cluster I**

Relative: **Lower**

Actual: **415 ft.**

CUPA LIVERMORE-PLEASANTON:

CERS ID:	10491259
Name:	BOOMERS AMUSEMENT
Address:	2400 KITTY HAWK ROAD
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/Hazardous Waste Generator/

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
J33	**BRIDGELUX**	**RCRA-SQG**	**1014387068**
NE	**101 PORTOLA AVE UNIT 109**	**FINDS**	**CAR000205005**
1/8-1/4	**LIVERMORE, CA 94551**	**ECHO**	
0.148 mi.		**EMI**	
784 ft.	**Site 1 of 4 in cluster J**	**HAZNET**	
		CIWQS	
Relative: Higher		**HWTS**	
Actual: 432 ft.			

RCRA Listings:

Date Form Received by Agency:		20130603
Handler Name:	BRIDGELUX	
Handler Address:		101 PORTOLA AVE
Handler City,State,Zip:		LIVERMORE, CA 94551
EPA ID:		CAR000205005
Contact Name:		FRANK HU
Contact Address:		101 PORTOLA AVE
Contact City,State,Zip:		LIVERMORE, CA 94551
Contact Telephone:		925-583-8510
Contact Fax:		925-583-8401
Contact Email:		FRANKHU@BRIDGELUX.COM
Contact Title:		V P OF MFG
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:		CA
State District:		1
Mailing Address:		101 PORTOLA AVE
Mailing City,State,Zip:		LIVERMORE, CA 94551
Owner Name:	BNP PARIBAS LEASING CORP	
Owner Type:		Private
Operator Name:	BRIDGELUX	
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

BRIDGELUX (Continued) **1014387068**

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:	20130620
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:	No

Biennial: List of Years
Year: 2011

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:	D009
Waste Description:	MERCURY
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

BRIDGELUX (Continued) **1014387068**

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: BNP PARIBAS LEASING CORP	
Legal Status:	Private
Date Became Current:	20071218
Date Ended Current:	Not reported
Owner/Operator Address:	12201 MERIT DRIVE
Owner/Operator City,State,Zip:	DALLAS, TX 75251
Owner/Operator Telephone:	214-953-9736
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BRIDGELUX	
Legal Status:	Private
Date Became Current:	20091223
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: BNP PARIBAS LEASING COMPANY	
Legal Status:	Private
Date Became Current:	20071218
Date Ended Current:	Not reported
Owner/Operator Address:	12201 MERIT DRIVE
Owner/Operator City,State,Zip:	DALLAS, TX 75251
Owner/Operator Telephone:	925-583-8400
Owner/Operator Telephone Ext:	8623
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BNP PARIBAS LEASING CORP	
Legal Status:	Private
Date Became Current:	20071218
Date Ended Current:	Not reported
Owner/Operator Address:	12201 MERIT DR
Owner/Operator City,State,Zip:	DALLAS, TX 75251
Owner/Operator Telephone:	214-953-9736
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BRIDGELUX	
Legal Status:	Private
Date Became Current:	20091223

BRIDGELUX (Continued) **1014387068**

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: BRIDGELUX
Legal Status: Private
Date Became Current: 20091223
Date Ended Current: Not reported
Owner/Operator Address: 101 PORTOLA AVE
Owner/Operator City,State,Zip: LIVERMORE, CA 94551
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: 20120229
Handler Name: BRIDGELUX
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: 20100209
Handler Name: BRIDGELUX
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: 20130603
Handler Name: BRIDGELUX
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

BRIDGELUX (Continued) **1014387068**

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

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069727406

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
Registry ID: 110067536759

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
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
HAZARDOUS WASTE BIENNIAL REPORTER
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1014387068
Registry ID: 110067536759
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067536759
Name: BRIDGELUX
Address: 101 PORTOLA AVE UNIT 109
City,State,Zip: LIVERMORE, CA 94551

BRIDGELUX (Continued) **1014387068**

Envid: 1014387068
Registry ID: 110069727406
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110069727406
Name: TOSHIBA AMERICA ELECTRONIC COMPONENTS INC
Address: 101 PORTOLA AVE UNIT 109
City,State,Zip: LIVERMORE, CA 94551

EMI:
Name: TOSHIBA AMERICA ELECTRONIC COM
Address: 101 PORTOLA AVENUE
City,State,Zip: LIVERMORE, CA 94551
Year: 2013
County Code: 1
Air Basin: SF
Facility ID: 21951
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: 0.038
Reactive Organic Gases Tons/Yr: 0.031564
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: TOSHIBA AMERICA ELECTRONIC COMPONENTS, INC
Address: 101 PORTOLA AVENUE
City,State,Zip: LIVERMORE, CA 94551
Year: 2014
County Code: 1
Air Basin: SF
Facility ID: 21951
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: 0.028476924
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1.0232e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr: 7.162e-006

Name: TOSHIBA AMERICA ELECTRONIC COMPONENTS, INC
Address: 101 PORTOLA AVENUE
City,State,Zip: LIVERMORE, CA 94551
Year: 2015
County Code: 1
Air Basin: SF
Facility ID: 21951
Air District Name: BA
SIC Code: 3674

BRIDGELUX (Continued) **1014387068**

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:	0.029712371998
Reactive Organic Gases Tons/Yr:	0.024728447
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	BRIDGELUX
Address:	101 PORTOLA AVE UNIT 101
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945510000
Contact:	ALFREDO ZUNIGA/FACILITY SUPVR
Telephone:	9255838554
Mailing Name:	Not reported
Mailing Address:	101 PORTOLA AVE UNIT 101
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAD008302903
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Year:	2017
Gepaid:	CAR000205005
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:	0.0425
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAD059494310
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.089
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAT080014079
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:	0.3
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAD059494310
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

BRIDGELUX (Continued) **1014387068**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0525
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAD059494310
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.108
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAD059494310
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:	0.062
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAD059494310
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.042
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAD059494310
CA Waste Code:	291 - Latex waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3
Year:	2017
Gepaid:	CAR000205005
TSD EPA ID:	CAD008302903
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0075

Click this hyperlink while viewing on your computer to access
49 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAR000205005
Shipment Date:	20170227
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	015884303JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC

BRIDGELUX (Continued) **1014387068**

Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
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:	20170227
Creation Date:	5/19/2017 18:30:53
Receipt Date:	20170314
Manifest ID:	015884303JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE 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:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
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:	20170227
Creation Date:	5/19/2017 18:30:53
Receipt Date:	20170314
Manifest ID:	015884303JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

BRIDGELUX (Continued) **1014387068**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
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:	20170227
Creation Date:	5/19/2017 18:30:53
Receipt Date:	20170314
Manifest ID:	015884303JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE 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:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.019
Waste Quantity:	38
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:	20170227
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	015884303JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE 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:	0.014
Waste Quantity:	28
Quantity Unit:	P
Additional Code 1:	Not reported

BRIDGELUX (Continued) **1014387068**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170227
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	015884303JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
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:	20170227
Creation Date:	5/19/2017 18:30:53
Receipt Date:	20170314
Manifest ID:	015884303JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
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:	20170224
Creation Date:	5/18/2017 18:32:20

BRIDGELUX (Continued) **1014387068**

Receipt Date:	20170304
Manifest ID:	015884273JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIR SVS INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE 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:	0.033
Waste Quantity:	66
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:	20170224
Creation Date:	5/18/2017 18:32:20
Receipt Date:	20170304
Manifest ID:	015884273JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIR SVS INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE 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:	0.029
Waste Quantity:	58
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:	20170224
Creation Date:	5/18/2017 18:32:20
Receipt Date:	20170304
Manifest ID:	015884273JJK
Trans EPA ID:	CAD982492399
Trans Name:	ALL CLEAN HAZARDOUS WASTE REMOVAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIR SVS INC
TSDF EPA ID:	CAD059494310

BRIDGELUX (Continued) **1014387068**

Trans Name:	CLEAN HARBORS OF SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0415
Waste Quantity:	83
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:	CAR000205005
Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000936878VES
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:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.08
Waste Quantity:	160
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:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000936878VES
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:	551 - Laboratory waste chemicals 561 Detergent and soap

BRIDGELUX (Continued) **1014387068**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
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:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000936878VES
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:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
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
Shipment Date:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151014
Manifest ID:	000936878VES
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:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U220
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	F005
Additional Code 2:	D001

BRIDGELUX (Continued) **1014387068**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151014
Manifest ID:	000936878VES
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:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
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:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151014
Manifest ID:	000936878VES
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:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151014
Manifest ID:	000936878VES

BRIDGELUX (Continued) **1014387068**

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:	0.04
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:	20150121
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20150123
Manifest ID:	000743114VES
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:	0.0375
Waste Quantity:	75
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:	CAR000205005
Shipment Date:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151014
Manifest ID:	000936878VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433

BRIDGELUX (Continued) **1014387068**

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:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U220
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	F005
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151014
Manifest ID:	000936878VES
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:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
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:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151014
Manifest ID:	000936878VES
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:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

BRIDGELUX (Continued) **1014387068**

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:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151014
Manifest ID:	000936878VES
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:	0.04
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:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000936878VES
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:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.08
Waste Quantity:	160
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

BRIDGELUX (Continued) **1014387068**

Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000936878VES
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:	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:	0.075
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:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000936878VES
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:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
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

Shipment Date:	20150121
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20150123
Manifest ID:	000743114VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433

BRIDGELUX (Continued) **1014387068**

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:	0.0375
Waste Quantity:	75
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:	2013
Gen EPA ID:	CAR000205005
Shipment Date:	20131202
Creation Date:	1/13/2014 22:15:14
Receipt Date:	20131206
Manifest ID:	000778684VES
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:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
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:	20131202
Creation Date:	1/13/2014 22:15:14
Receipt Date:	20131206
Manifest ID:	000778684VES
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

BRIDGELUX (Continued) **1014387068**

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:	0.05
Waste Quantity:	100
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:	20130722
Creation Date:	9/15/2013 22:15:33
Receipt Date:	20130731
Manifest ID:	000772119VES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
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:	20130722
Creation Date:	9/15/2013 22:15:33
Receipt Date:	20130731
Manifest ID:	000772119VES
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:	0.0375
Waste Quantity:	75

BRIDGELUX (Continued) **1014387068**

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:	20130722
Creation Date:	9/20/2013 22:15:23
Receipt Date:	20130730
Manifest ID:	000772120VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0425
Waste Quantity:	85
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:	20130722
Creation Date:	9/20/2013 22:15:23
Receipt Date:	20130730
Manifest ID:	000772120VES
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:	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:	0.1
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

BRIDGELUX (Continued) **1014387068**

Shipment Date:	20130722
Creation Date:	9/15/2013 22:15:33
Receipt Date:	20130731
Manifest ID:	000772119VES
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:	181 - Other inorganic solid waste 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:	0.09
Waste Quantity:	180
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:	20130515
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000772039VES
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:	0.0625
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

Shipment Date:	20130515
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000772039VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433

BRIDGELUX (Continued) **1014387068**

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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20130515
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000772039VES
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:	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:	0.0025
Waste Quantity:	5
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:	2012
Gen EPA ID:	CAR000205005
Shipment Date:	20121207
Creation Date:	3/21/2013 22:15:06
Receipt Date:	20121219
Manifest ID:	000573284VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENV SVCS
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC

BRIDGELUX (Continued) **1014387068**

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:	0.04
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:	20121207
Creation Date:	3/21/2013 22:15:06
Receipt Date:	20121219
Manifest ID:	000573284VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENV SVCS
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:	181 - Other inorganic solid waste 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:	0.15
Waste Quantity:	300
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:	20121207
Creation Date:	3/7/2013 22:15:08
Receipt Date:	20121211
Manifest ID:	000573285VES
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:	181 - Other inorganic solid waste 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:	0.04

BRIDGELUX (Continued) **1014387068**

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:	20121207
Creation Date:	3/21/2013 22:15:06
Receipt Date:	20121219
Manifest ID:	000573284VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENV SVCS
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
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:	20121207
Creation Date:	3/7/2013 22:15:08
Receipt Date:	20121211
Manifest ID:	000573285VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
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

BRIDGELUX (Continued) **1014387068**

Shipment Date:	20121015
Creation Date:	1/5/2013 22:15:31
Receipt Date:	20121023
Manifest ID:	000576240VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
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:	20121015
Creation Date:	1/5/2013 22:15:31
Receipt Date:	20121023
Manifest ID:	000576240VES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
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:	20121015
Creation Date:	1/13/2013 22:15:06
Receipt Date:	20121031
Manifest ID:	000576239VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433

BRIDGELUX (Continued) **1014387068**

Trans 2 Name:	DILLARD ENV SVCS
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:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
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:	20120912
Creation Date:	11/22/2012 22:15:21
Receipt Date:	20120918
Manifest ID:	000573032VES
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:	181 - Other inorganic solid waste 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:	0.075
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:	20120912
Creation Date:	11/22/2012 22:15:21
Receipt Date:	20120918
Manifest ID:	000573032VES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

BRIDGELUX (Continued) **1014387068**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
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:	2011
Gen EPA ID:	CAR000205005
Shipment Date:	20111208
Creation Date:	3/13/2012 20:30:32
Receipt Date:	20111214
Manifest ID:	000574746VES
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:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
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:	20111208
Creation Date:	3/13/2012 20:30:32
Receipt Date:	20111214
Manifest ID:	000574746VES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120

BRIDGELUX (Continued) **1014387068**

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:	20111208
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111219
Manifest ID:	000574745VES
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:	0.075
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:	20111208
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111219
Manifest ID:	000574745VES
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:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
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:	20111208

BRIDGELUX (Continued) **1014387068**

Creation Date:	3/13/2012 20:30:32
Receipt Date:	20111214
Manifest ID:	000574746VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

Shipment Date:	20111208
Creation Date:	3/13/2012 20:30:32
Receipt Date:	20111214
Manifest ID:	000574746VES
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:	181 - Other inorganic solid waste 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:	0.03
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

Shipment Date:	20111024
Creation Date:	1/6/2012 18:30:18
Receipt Date:	20111101
Manifest ID:	000542865VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES

BRIDGELUX (Continued) **1014387068**

TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.02
Waste Quantity:	40
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:	20111024
Creation Date:	1/6/2012 18:30:18
Receipt Date:	20111101
Manifest ID:	000542865VES
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
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:	0.08
Waste Quantity:	160
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:	20111024
Creation Date:	1/20/2012 20:31:14
Receipt Date:	20111102
Manifest ID:	000542864VES
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:	181 - Other inorganic solid waste Organics
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

BRIDGELUX (Continued) **1014387068**

Quantity Tons:	0.08
Waste Quantity:	160
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:	20111024
Creation Date:	1/20/2012 20:31:14
Receipt Date:	20111102
Manifest ID:	000542864VES
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:	181 - Other inorganic solid waste 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:	0.0225
Waste Quantity:	45
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:	2010
Gen EPA ID:	CAR000205005
Shipment Date:	20101229
Creation Date:	2/23/2011 18:30:18
Receipt Date:	20110106
Manifest ID:	000440934VES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P

BRIDGELUX (Continued) **1014387068**

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:	20101229
Creation Date:	2/23/2011 18:30:18
Receipt Date:	20110106
Manifest ID:	000440934VES
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:	0.05
Waste Quantity:	100
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:	20101229
Creation Date:	2/23/2011 18:30:18
Receipt Date:	20110106
Manifest ID:	000440934VES
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:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
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:	20101229
Creation Date:	3/28/2011 18:30:20

BRIDGELUX (Continued) **1014387068**

Receipt Date:	20110106
Manifest ID:	000440935VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
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:	181 - Other inorganic solid waste 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:	0.05
Waste Quantity:	100
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:	20101207
Creation Date:	2/8/2011 18:30:37
Receipt Date:	20101215
Manifest ID:	000440820VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
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:	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:	0.0375
Waste Quantity:	75
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:	20101207
Creation Date:	2/8/2011 18:30:37
Receipt Date:	20101215
Manifest ID:	000440820VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAT080014079

BRIDGELUX (Continued) **1014387068**

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
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:	20101207
Creation Date:	2/8/2011 18:30:37
Receipt Date:	20101215
Manifest ID:	000440820VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
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:	20101207
Creation Date:	2/8/2011 18:30:17
Receipt Date:	20101210
Manifest ID:	000440819VES
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:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6

BRIDGELUX (Continued) **1014387068**

Waste Quantity:	1200
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:	20101117
Creation Date:	1/12/2011 18:30:38
Receipt Date:	20101123
Manifest ID:	000440660VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
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:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
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:	20101117
Creation Date:	1/12/2011 18:30:38
Receipt Date:	20101123
Manifest ID:	000440660VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
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:	181 - Other inorganic solid waste 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:	0.0375
Waste Quantity:	75
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

BRIDGELUX (Continued) **1014387068**

CIWQS:

Name:	BRIDGELUX
Address:	101 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551
Agency:	Bridgelux
Agency Address:	101 Portola Ave, Livermore, CA 94551
Place/Project Type:	Industrial - Semiconductors and Related Devices
SIC/NAICS:	3674
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 01NEC002294
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/05/2010
Termination Date:	04/24/2017
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:	37.705321
Longitude:	-121.803471

HWTS:

Name:	BRIDGELUX
Address:	101 PORTOLA AVE UNIT 101
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000205005
Inactive Date:	03/02/2017
Create Date:	04/01/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	101 PORTOLA AVE UNIT 101
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LIVERMORE, CA 945510000
Owner Name:	BRIDGELUX
Owner Address:	101 PORTOLA AVE UNIT 101
Owner Address 2:	Not reported
Owner City,State,Zip:	LIVERMORE, CA 945510000
Contact Name:	ALFREDO ZUNIGA/FACILITY SUPVR
Contact Address:	101 PORTOLA AVE UNIT 101
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	37.69114
Longitude:	-121.761543

NAICS:

EPA ID:	CAR000205005

BRIDGELUX (Continued) **1014387068**

Create Date:	2010-08-13 11:46:34.180
NAICS Code:	334413
NAICS Description:	Semiconductor and Related Device Manufacturing
Issued EPA ID Date:	2010-04-01 08:23:05.99700
Inactive Date:	2017-03-02 00:00:00
Facility Name:	BRIDGELUX
Facility Address:	101 PORTOLA AVE UNIT 101
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945510000

J34 **BRIDGELUX** **CERS HAZ WASTE** **S121781343**
NE **101 PORTOLA AVE UNIT 109** **CUPA Listings** **N/A**
1/8-1/4 **LIVERMORE, CA 94551** **CERS**
0.148 mi.
784 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
432 ft.

CERS HAZ WASTE:

Name:	LAM RESEARCH CORPORATION (CA32)
Address:	101 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	422929
CERS ID:	10736968
CERS Description:	Hazardous Waste Generator

CUPA LIVERMORE-PLEASANTON:

CERS ID:	Not reported
Name:	TOSHIBA AMERICA ELECTRONIC
Address:	101 PORTOLA AVENUE SUITE 109
City,State,Zip:	LIVERMORE, CA
Status:	Closed
Permit List:	Hazardous Materials Business Plan Hazardous Waste Generator, SQG On-Site Treatement of Hazardous Waste Cal ARP Program - Program Level 2

CERS:

Name:	LAM RESEARCH CORPORATION (CA32)
Address:	101 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	422929
CERS ID:	10736968
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	422929
Site Name:	Lam Research Corporation (CA32)
Violation Date:	11-20-2013
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 01/07/2014.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HMRRP

BRIDGELUX (Continued) **S121781343**

Violation Source: CERS,

Site ID: 422929
Site Name: Lam Research Corporation (CA32)
Violation Date: 11-20-2013
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 with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/07/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-07-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-20-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-07-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency

BRIDGELUX (Continued) **S121781343**

Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-20-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 422929
Facility Name: Lam Research Corporation (CA32)
Env Int Type Code: HMBP
Program ID: 10736968
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.704800
Longitude: -121.803320

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Jacque Fernstrom
Entity Title: Not reported
Affiliation Address: 1 Portola Ave.
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4650 Cushing Parkway, M/S CA6-101
Affiliation City: Fremont
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94538
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Lam Research
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: ,

Affiliation Type Desc: Property Owner

BRIDGELUX (Continued) **S121781343**

Entity Name:	MUFG Americas Capital Leasing and Finance, Inc.
Entity Title:	Not reported
Affiliation Address:	445 S. Figueros St., G14-200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90071
Affiliation Phone:	(213) 236-6444,
Affiliation Type Desc:	Document Preparer
Entity Name:	Eumy Hung
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:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,
Affiliation Type Desc:	Identification Signer
Entity Name:	Jacque Fernstrom
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Lam Research 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:	(510) 572-0200,
Affiliation Type Desc:	Legal Owner
Entity Name:	Lam Research Corporation
Entity Title:	Not reported
Affiliation Address:	4650 Cushing Parkway, M/S CA6
Affiliation City:	Fremont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94538

BRIDGELUX (Continued) **S121781343**

Affiliation Phone: (510) 572-0200,

Name: BRIDGELUX
Address: 101 PORTOLA AVE UNIT 109
City,State,Zip: LIVERMORE, CA 94551
Site ID: 162843
CERS ID: 9455WTSHBM11PRT
CERS Description: Toxic Release Inventory

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: GARY WILLIAMS
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 2590 ORCHARD PKWY
Affiliation City: SANJOSE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: BRIDGELUX
Entity Title: OWNER
Affiliation Address: 101 PORTOLA AVENUE UNIT 101
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: TOSHIBA AMER ELEC COMPONENTS
Entity Title: OPERATOR
Affiliation Address: 101 PORTOLA AVE UNIT 109
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: CARLOE ESTIGO
Entity Title: TECHNICIAN
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: BRIDGELUX
Entity Title: OPERATOR
Affiliation Address: 101 PORTOLA AVENUE UNIT 101
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported

BRIDGELUX (Continued) **S121781343**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Technical Contact
Entity Name: Troy Christensen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: 4157340186,

Affiliation Type Desc: Company Official
Entity Name: william roden
Entity Title: equipment manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: DAN IZUMI
Entity Title: MANAGER OF FACILITIES EHS
Affiliation Address: 101 PORTOLA AVE
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: TOSHIBA AMER ELEC COMPONENTS
Entity Title: OWNER
Affiliation Address: 19900 MACARTHUR BOULEVARD SUITE 400
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Company
Entity Name: TOSHIBA AMERICA INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ALLAN SHERLOCK
Entity Title: SENIOR FACILITIES TECHNICIAN
Affiliation Address: Not reported

BRIDGELUX (Continued) **S121781343**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	BILL RODEN
Entity Title:	EQUIPMENT MGR
Affiliation Address:	101 PORTOLA AVEUNIT 109
Affiliation City:	LIVERMORE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	FRANK HU
Entity Title:	V P OF MFG
Affiliation Address:	101 PORTOLA AVEUNIT 101
Affiliation City:	LIVERMORE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Troy Christensen
Entity Title:	Not reported
Affiliation Address:	899 PINE STREETNA 1401
Affiliation City:	SANFRANCISCO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	BNP PARIBAS LEASE
Entity Title:	Not reported
Affiliation Address:	12201 MERIT DRIVE
Affiliation City:	DALLAS
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	ALLAN SHERLOCK
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:	,
Affiliation Type Desc:	Public Contact

BRIDGELUX (Continued) **S121781343**

Entity Name: Bill Roden
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: 9255838642,

Name: BRIDGELUX
Address: 101 PORTOLA AVE UNIT 109
City,State,Zip: LIVERMORE, CA 94551
Site ID: 162843
CERS ID: 110067536759
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: GARY WILLIAMS
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 2590 ORCHARD PKWY
Affiliation City: SANJOSE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: BRIDGELUX
Entity Title: OWNER
Affiliation Address: 101 PORTOLA AVENUE UNIT 101
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: TOSHIBA AMER ELEC COMPONENTS
Entity Title: OPERATOR
Affiliation Address: 101 PORTOLA AVE UNIT 109
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: CARLOE ESTIGO
Entity Title: TECHNICIAN
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

BRIDGELUX (Continued) **S121781343**

Affiliation Type Desc:	Operator
Entity Name:	BRIDGELUX
Entity Title:	OPERATOR
Affiliation Address:	101 PORTOLA AVENUE UNIT 101
Affiliation City:	LIVERMORE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Technical Contact
Entity Name:	Troy Christensen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	4157340186,
Affiliation Type Desc:	Company Official
Entity Name:	william roden
Entity Title:	equipment manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	DAN IZUMI
Entity Title:	MANAGER OF FACILITIES EHS
Affiliation Address:	101 PORTOLA AVE
Affiliation City:	LIVERMORE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Owner
Entity Name:	TOSHIBA AMER ELEC COMPONENTS
Entity Title:	OWNER
Affiliation Address:	19900 MACARTHUR BOULEVARD SUITE 400
Affiliation City:	IRVINE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Company
Entity Name:	TOSHIBA AMERICA INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

BRIDGELUX (Continued) **S121781343**

Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ALLAN SHERLOCK
Entity Title: SENIOR FACILITIES TECHNICIAN
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: BILL RODEN
Entity Title: EQUIPMENT MGR
Affiliation Address: 101 PORTOLA AVEUNIT 109
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: FRANK HU
Entity Title: V P OF MFG
Affiliation Address: 101 PORTOLA AVEUNIT 101
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Troy Christensen
Entity Title: Not reported
Affiliation Address: 899 PINE STREETNA 1401
Affiliation City: SANFRANCISCO
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: BNP PARIBAS LEASE
Entity Title: Not reported
Affiliation Address: 12201 MERIT DRIVE
Affiliation City: DALLAS
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: ALLAN SHERLOCK
Entity Title: Not reported
Affiliation Address: Not reported

BRIDGELUX (Continued) **S121781343**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	Bill Roden
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	9255838642,

J35 **BRIDGELUX** **CUPA Listings** **S113748798**
NE **101 PORTOLA AVENUE** **EMI** **N/A**
1/8-1/4 **LIVERMORE, CA 94551**
0.148 mi.
784 ft. **Site 3 of 4 in cluster J**

Relative:
Higher

Actual:
432 ft.

CUPA LIVERMORE-PLEASANTON:

CERS ID:	Not reported
Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA
Status:	Closed
Permit List:	Hazardous Materials Business Plan Hazardous Waste Generator,CESQG

EMI:

Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94551
Year:	2009
County Code:	1
Air Basin:	SF
Facility ID:	20080
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:	1.7999999999999999E-2
Reactive Organic Gases Tons/Yr:	0.0150606
Carbon Monoxide Emissions Tons/Yr:	4.0000000000000001E-2
NOX - Oxides of Nitrogen Tons/Yr:	0.32100000000000001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	7.0000000000000001E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6.8320000000000004E-3

Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94551
Year:	2010
County Code:	1

BRIDGELUX (Continued) **S113748798**

Air Basin:	SF
Facility ID:	20080
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:	4.3070000000000004
Reactive Organic Gases Tons/Yr:	3.9599492999999999
Carbon Monoxide Emissions Tons/Yr:	0.01
NOX - Oxides of Nitrogen Tons/Yr:	7.9000000000000001E-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:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94551
Year:	2011
County Code:	1
Air Basin:	SF
Facility ID:	20080
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:	4.307
Reactive Organic Gases Tons/Yr:	3.9599493
Carbon Monoxide Emissions Tons/Yr:	0.01
NOX - Oxides of Nitrogen Tons/Yr:	0.079
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94551
Year:	2012
County Code:	1
Air Basin:	SF
Facility ID:	20080
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:	5.048
Reactive Organic Gases Tons/Yr:	4.6800203
Carbon Monoxide Emissions Tons/Yr:	0.01
NOX - Oxides of Nitrogen Tons/Yr:	0.079
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0020491803279
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.002

Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE

BRIDGELUX (Continued) **S113748798**

City,State,Zip:	LIVERMORE, CA 94551
Year:	2013
County Code:	1
Air Basin:	SF
Facility ID:	20080
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:	1.827
Reactive Organic Gases Tons/Yr:	1.8090537
Carbon Monoxide Emissions Tons/Yr:	0.003
NOX - Oxides of Nitrogen Tons/Yr:	0.023
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94551
Year:	2014
County Code:	1
Air Basin:	SF
Facility ID:	20080
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:	0.323401702
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.00222179
NOX - Oxides of Nitrogen Tons/Yr:	0.017808029
SOX - Oxides of Sulphur Tons/Yr:	2.175e-005
Particulate Matter Tons/Yr:	0.000400133
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000384127

Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94551
Year:	2015
County Code:	1
Air Basin:	SF
Facility ID:	20080
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:	0.081034237
Reactive Organic Gases Tons/Yr:	0.080854481461
Carbon Monoxide Emissions Tons/Yr:	0.00147749
NOX - Oxides of Nitrogen Tons/Yr:	0.01184234
SOX - Oxides of Sulphur Tons/Yr:	1.4464e-005
Particulate Matter Tons/Yr:	0.000266088
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000255445

BRIDGELUX (Continued) **S113748798**

Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94551
Year:	2016
County Code:	1
Air Basin:	SF
Facility ID:	20080
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:	0.067607519
Reactive Organic Gases Tons/Yr:	0.067369415752
Carbon Monoxide Emissions Tons/Yr:	0.001832977
NOX - Oxides of Nitrogen Tons/Yr:	0.014691624
SOX - Oxides of Sulphur Tons/Yr:	1.7944e-005
Particulate Matter Tons/Yr:	0.000330109
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000316905

Name:	BRIDGELUX
Address:	101 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94551
Year:	2017
County Code:	1
Air Basin:	SF
Facility ID:	20080
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:	0.067607519
Reactive Organic Gases Tons/Yr:	0.067369415752
Carbon Monoxide Emissions Tons/Yr:	0.001832977
NOX - Oxides of Nitrogen Tons/Yr:	0.014691624
SOX - Oxides of Sulphur Tons/Yr:	1.7944e-005
Particulate Matter Tons/Yr:	0.000330109
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000316905

J36 **TOSHIBA AMERICA ELECTRONIC COMPONENTS INC** **RCRA NonGen / NLR** **1016140301**
NE **101 PORTOLA AVE** **CAR000239335**
1/8-1/4 **LIVERMORE, CA 94551**
0.148 mi.
784 ft. **Site 4 of 4 in cluster J**

Relative:
Higher

Actual:
432 ft.

RCRA Listings:

Date Form Received by Agency:	20130603
Handler Name:	TOSHIBA AMERICA ELECTRONIC COMPONENTS INC
Handler Address:	101 PORTOLA AVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000239335
Contact Name:	BILL RODEN
Contact Address:	101 PORTOLA AVE
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	925-583-8642
Contact Fax:	925-583-8401
Contact Email:	BILL.RODEN@TAEC.TOSHIBA.COM

TOSHIBA AMERICA ELECTRONIC COMPONENTS INC (Continued) **1016140301**

Contact Title:	EQUIPMENT MGR
EPA Region:	09
Land Type:	Private
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
State District:	Not reported
Mailing Address:	101 PORTOLA AVE
Mailing City,State,Zip:	LIVERMORE, CA 94551
Owner Name:	BNP PARIBAS LEASING CORP
Owner Type:	Private
Operator Name:	TOSHIBA AMERICA ELECTRONIC COMPONTENTS
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

TOSHIBA AMERICA ELECTRONIC COMPONENTS INC (Continued) **1016140301**

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:	20170213
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:	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:	BNP PARIBAS LEASING CORP
Legal Status:	Private
Date Became Current:	20071218
Date Ended Current:	Not reported
Owner/Operator Address:	12201 MERIT DRIVE
Owner/Operator City,State,Zip:	DALLAS, TX 75251
Owner/Operator Telephone:	214-953-9736
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TOSHIBA AMERICA ELECTRONIC COMPONTENTS
Legal Status:	Private
Date Became Current:	20130516
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

TOSHIBA AMERICA ELECTRONIC COMPONENTS INC (Continued) **1016140301**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20130603
Handler Name: TOSHIBA AMERICA ELECTRONIC COMPONENTS 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: 334413
NAICS Description: SEMICONDUCTOR AND RELATED DEVICE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K37 **STREIVOR INC** **CUPA Listings** **S120762068**
SSE **2150 KITTY HAWK ROAD** **N/A**
1/8-1/4 **LIVERMORE, CA**
0.163 mi.
863 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
411 ft.

CUPA LIVERMORE-PLEASANTON:
CERS ID: 10485901
Name: STREIVOR INC
Address: 2150 KITTY HAWK ROAD
City,State,Zip: LIVERMORE, CA
Status: Active
Permit List: Hazardous Materials Business Plan/

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
K38 **SSE** **1/8-1/4** **0.163 mi.** **863 ft.** **Relative: Lower** **Actual: 411 ft.**	**SILVER METAL PRODUCTS** **2150 KITTY HAWK RD** **LIVERMORE, CA 94550** **Site 2 of 2 in cluster K**	**LUST** **SWEEPS UST** **CA FID UST** **Cortese** **CUPA Listings** **HIST CORTESE** **HAZNET** **NPDES** **WDS** **CIWQS** **CERS** **HWTS**	**S101580222** **N/A**

LUST:

Name:	SILVER METAL PRODUCTS
Address:	2150 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94550
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=T0600101285
Global Id:	T0600101285
Latitude:	37.698465
Longitude:	-121.806533
Status:	Completed - Case Closed
Status Date:	12/19/1990
Case Worker:	UUU
RB Case Number:	01-1391
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	2008
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0600101285
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:	T0600101285
Action Type:	Other
Date:	12/07/1990
Action:	Leak Discovery
Global Id:	T0600101285
Action Type:	Other
Date:	12/07/1990
Action:	Leak Reported
Global Id:	T0600101285
Action Type:	Other
Date:	12/07/1990
Action:	Leak Stopped

SILVER METAL PRODUCTS (Continued) **S101580222**

LUST:
Global Id: T0600101285
Status: Open - Case Begin Date
Status Date: 12/07/1990

Global Id: T0600101285
Status: Completed - Case Closed
Status Date: 12/19/1990

LUST REG 2:
Region: 2
Facility Id: 01-1391
Facility Status: Case Closed
Case Number: 2008
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
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: SILVER METAL PRODUCTS INC
Address: 2150 KITTYHAWK RD
City: LIVERMORE
Status: Not reported
Comp Number: 281
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: 01-000-000281-000001
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Name: SILVER METAL PRODUCTS INC
Address: 2150 KITTYHAWK RD
City: LIVERMORE
Status: Not reported
Comp Number: 281
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported

SILVER METAL PRODUCTS (Continued) **S101580222**

Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-000-000281-000002
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 01002069
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154494100
Mail To: Not reported
Mailing Address: 74420 PALO VERDE DR
Mailing Address 2: Not reported
Mailing City,St,Zip: LIVERMORE 94550
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

CORTESE:
Name: SILVER METAL PRODUCTS
Address: 2150 KITTY HAWK RD
City,State,Zip: LIVERMORE, CA 94550
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0600101285
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

SILVER METAL PRODUCTS (Continued) **S101580222**

CUPA LIVERMORE-PLEASANTON:

CERS ID:	Not reported
Name:	UNITED STEEL PRODUCTS
Address:	2150 KITTY HAWK ROAD
City,State,Zip:	LIVERMORE, CA
Status:	Closed
Permit List:	Hazardous Materials Business Plan Hazardous Waste Generator, SQG

HIST CORTESE:

edr_fname:	SILVER METAL PRODUCTS
edr_fadd1:	2150 KITTY HAWK
City,State,Zip:	LIVERMORE, CA
Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1391

HAZNET:

Name:	LJK LAMBERTSON LLC.
Address:	2150 KITTY HAWK RD
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945519522
Contact:	JEFFERY LAMBERTSON
Telephone:	5106709090
Mailing Name:	Not reported
Mailing Address:	39 HIDDEN HILLS PL
Year:	2015
Gepaid:	CAC002813716
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.1

Additional Info:

Year:	2015
Gen EPA ID:	CAC002813716
Shipment Date:	20150514
Creation Date:	8/10/2015 22:15:21
Receipt Date:	20150520
Manifest ID:	014108701JJK
Trans EPA ID:	CAL000298854
Trans Name:	BAYVIEW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000217513
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

SILVER METAL PRODUCTS (Continued) **S101580222**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.1
Waste Quantity:	4200
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

NPDES:

Name:	USP STRUCTURAL CONNECTORS
Address:	2150 KITTY HAWK RD
City,State,Zip:	LIVERMORE, CA 94551
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 01I012720
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:	Terminated
Status Date:	09/28/2017
Operator Name:	Brian Springer
Operator Address:	2150 Kitty Hawk Rd
Operator City:	Livermore
Operator State:	California
Operator Zip:	94551

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	2
Regulatory Measure ID:	180990
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 01I012720
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/04/1996
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	08/15/2017
Discharge Name:	Brian Springer

SILVER METAL PRODUCTS (Continued) **S101580222**

Discharge Address:	2150 Kitty Hawk Rd
Discharge City:	Livermore
Discharge State:	California
Discharge Zip:	94551
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

SILVER METAL PRODUCTS (Continued) **S101580222**

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:	180990
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 01I012720
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:	12/04/1996
Status:	Active
Status Date:	10/22/2015
Place Size:	2
Place Size Unit:	Acres
Contact:	Brian Springer
Contact Title:	Not reported
Contact Phone:	209-221-4819
Contact Phone Ext:	Not reported
Contact Email:	bspringer@mii.com
Operator Name:	Brian Springer
Operator Address:	2150 Kitty Hawk Rd
Operator City:	Livermore
Operator State:	California
Operator Zip:	94551
Operator Contact:	Brian Springer
Operator Contact Title:	Not reported
Operator Contact Phone:	209-221-4819
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	bspringer@mii.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Minnesota
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	925-449-4100
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported

SILVER METAL PRODUCTS (Continued) **S101580222**

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:	N
Receiving Water Name:	San Francisco Bay
Certifier:	Brian Springer
Certifier Title:	Not reported
Certification Date:	19-OCT-16
Primary Sic:	3469-Metal Stamping, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	USP SILVER METALS
Address:	2150 Kitty Hawk Rd
City:	LIVERMORE
Facility ID:	San Francisco Bay 01I012720
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:	9254494100
Facility Contact:	LONNIE H JEDLICKI
Agency Name:	USP SILVER METALS
Agency Address:	2150 Kitty Hawk Rd
Agency City,St,Zip:	Livermore 945519522
Agency Contact:	LONNIE H JEDLICKI
Agency Telephone:	9254494100
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

SILVER METAL PRODUCTS (Continued) **S101580222**

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.

CIWQS:
Name: USP STRUCTURAL CONNECTORS
Address: 2150 KITTY HAWK RD
City,State,Zip: LIVERMORE, CA 94551
Agency: Brian Springer
Agency Address: 2150 Kitty Hawk Rd, Livermore, CA 94551
Place/Project Type: Industrial - Metal Stamping, NEC
SIC/NAICS: 3469
Region: 2
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 01I012720
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 12/04/1996
Termination Date: 08/15/2017
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: 37.69858
Longitude: -121.80557

CERS:
Name: SILVER METAL PRODUCTS
Address: 2150 KITTY HAWK RD
City,State,Zip: LIVERMORE, CA 94550
Site ID: 194607
CERS ID: T0600101285
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

SILVER METAL PRODUCTS (Continued) **S101580222**

Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	LJK LAMBERTSON LLC.
Address:	2150 KITTY HAWK RD
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAC002813716
Inactive Date:	08/06/2015
Create Date:	05/07/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	39 HIDDEN HILLS PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	DANVILLE, CA 945064730
Owner Name:	LJK LAMBERTSON, LLC
Owner Address:	39 HIDDEN HILLS PL
Owner Address 2:	Not reported
Owner City,State,Zip:	DANVILLE, CA 945064730
Contact Name:	JEFFERY LAMBERTSON
Contact Address:	39 HIDDEN HILLS PL
Contact Address 2:	Not reported
City,State,Zip:	DANVILLE, CA 945064730
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	37.698847
Longitude:	-121.805683

L39 **SHEA HOMES, LP** **RCRA NonGen / NLR** **1027452472**
East **2630 SHEA CENTER DR.** **CAC003190460**
1/8-1/4 **LIVERMORE, CA 94551**
0.169 mi.
894 ft. **Site 1 of 2 in cluster L**

Relative: **Higher**

Actual: **421 ft.**

RCRA Listings:

Date Form Received by Agency:		20220817
Handler Name:	SHEA HOMES, LP	
Handler Address:		2630 SHEA CENTER DR.
Handler City,State,Zip:		LIVERMORE, CA 94551
EPA ID:		CAC003190460
Contact Name:		CURT HONODEL
Contact Address:		2630 SHEA CENTER DR.
Contact City,State,Zip:		LIVERMORE, CA 94551
Contact Telephone:		925-234-8916
Contact Fax:		Not reported
Contact Email:		CONTRACTADMIN@RANDAZZOENT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified

SHEA HOMES, LP (Continued) **1027452472**

Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2630 SHEA CENTER DR.
Mailing City,State,Zip:		LIVERMORE, CA 94551
Owner Name:	SHEA HOMES, LP	
Owner Type:		Other
Operator Name:	CURT HONODEL	
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

SHEA HOMES, LP (Continued) **1027452472**

Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20220818
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: SHEA HOMES, LP
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2630 SHEA CENTER DR.
Owner/Operator City,State,Zip: LIVERMORE, CA 94551
Owner/Operator Telephone: 925-234-8916
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CURT HONODEL
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2630 SHEA CENTER DR.
Owner/Operator City,State,Zip: LIVERMORE, CA 94551
Owner/Operator Telephone: 925-234-8916
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220817
Handler Name: SHEA HOMES, LP
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: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

SHEA HOMES, LP (Continued) **1027452472**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L40 **FREMONT BANK** **CUPA Listings** **S120762487**
East **2580 SHEA CENTER DRIVE** **N/A**
1/8-1/4 **LIVERMORE, CA**
0.169 mi.
894 ft. **Site 2 of 2 in cluster L**

Relative: **Lower**
Actual: **419 ft.**

CUPA LIVERMORE-PLEASANTON:
CERS ID: 10759603
Name: FREMONT BANK
Address: 2580 SHEA CENTER DRIVE
City,State,Zip: LIVERMORE, CA
Status: Active
Permit List: Hazardous Materials Business Plan/

---

41 **PERFORMANT** **CUPA Listings** **S120761964**
NW **333 NORTH CANYONS PARKWAY SUITE 100** **N/A**
1/8-1/4 **LIVERMORE, CA**
0.169 mi.
894 ft.

Relative: **Higher**
Actual: **437 ft.**

CUPA LIVERMORE-PLEASANTON:
CERS ID: 10472881
Name: PERFORMANT
Address: 333 NORTH CANYONS PARKWAY SUITE 100
City,State,Zip: LIVERMORE, CA
Status: Active
Permit List: Hazardous Materials Business Plan/

M42 **COMCAST CABLE** **CERS HAZ WASTE** **S121772300**
NNW **3077 COMCAST PL** **N/A**
1/8-1/4 **LIVERMORE, CA 94551**
0.174 mi.
919 ft. **Site 1 of 2 in cluster M**

Relative: **Higher**
Actual: **447 ft.**

CERS HAZ WASTE:
Name: COMCAST CABLE
Address: 3077 COMCAST PL
City,State,Zip: LIVERMORE, CA 94551
Site ID: 576648
CERS ID: 10411267
CERS Description: Hazardous Waste Generator

Coordinates:
Site ID: 576648
Facility Name: Comcast Cable
Env Int Type Code: HWG
Program ID: 10411267

COMCAST CABLE (Continued) **S121772300**

Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.706570
Longitude: -121.809050

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: Newmark Knight Frank
Affiliation City: San Ramon
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94583-4634
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: 3055 Livermore Owner LLC
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: (510) 275-9010,

Affiliation Type Desc: CUPA District
Entity Name: Livermore-Pleasanton FD
Entity Title: Not reported
Affiliation Address: 3560 Nevada Street
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94566
Affiliation Phone: (925) 454-2361,

Affiliation Type Desc: Document Preparer
Entity Name: Jerod White
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: ,

Affiliation Type Desc: Identification Signer
Entity Name: Jerod White
Entity Title: Lead Engineer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact

COMCAST CABLE (Continued) **S121772300**

Entity Name:	Jerod White
Entity Title:	Not reported
Affiliation Address:	2010 Crow Canyon Pl, 2010 Crow Canyon Pl
Affiliation City:	San Ramon
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583-4634
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	3055 Livermore Owner LLC
Entity Title:	Not reported
Affiliation Address:	2010 Crow Canyon Pl, Suite 125
Affiliation City:	San Ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583-4634
Affiliation Phone:	(925) 984-8651,
Affiliation Type Desc:	Parent Corporation
Entity Name:	3055 Livermore Owner LLC
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:	,

M43 **COMCAST CABLE** **AST** **A100418958**
NNW **3077 COMCAST PL** **N/A**
1/8-1/4 **LIVERMORE, CA 94551**
0.174 mi.
919 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
447 ft.

AST:

Name:	COMCAST CABLE
Address:	3077 COMCAST PL
City/Zip:	LIVERMORE,94551
Certified Unified Program Agencies:	Not reported
Owner:	COMCAST CABLE
Total Gallons:	Not reported
CERSID:	10411267
Facility ID:	Not reported
Business Name:	Comcast Cable
Phone:	925-424-0100
Fax:	Not reported
Mailing Address:	3055 COMCAST PLACE
Mailing Address City:	LIVERMORE
Mailing Address State:	CA
Mailing Address Zip Code:	94551
Operator Name:	COMCAST CABLE
Operator Phone:	925-424-0100
Owner Phone:	925-424-0286
Owner Mail Address:	3055 Comcast Place
Owner State:	CA
Owner Zip Code:	94551

COMCAST CABLE (Continued) **A100418958**

Owner Country:	United States
Property Owner Name:	RT TRI-VALLEY, LLC C/O CHAMBERS ST. PROPERTIES
Property Owner Phone:	609-683-4900
Property Owner Mailing Address:	47 HULFISH ST. SUITE 210
Property Owner City:	PRINCETON
Property Owner Stat :	NJ
Property Owner Zip Code:	8542
Property Owner Country:	United States
EPAID:	Not reported

N44 West 1/8-1/4 0.213 mi. 1125 ft. **COSTCO WHOLESALE REGIONAL OFFICE NO 30** **RCRA-SQG 1016140032**
2820 INDEPENDENCE DR **FINDS CAR000236216**
LIVERMORE, CA 94551 **ECHO**

Site 1 of 5 in cluster N

Relative: Higher

Actual: 429 ft.

RCRA Listings:

Date Form Received by Agency:	20130311
Handler Name:	COSTCO WHOLESALE REGIONAL OFFICE NO 30
Handler Address:	2820 INDEPENDENCE DR
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000236216
Contact Name:	LISA SIMPSON
Contact Address:	PO BOX 35005
Contact City,State,Zip:	SEATTLE, WA 98124
Contact Telephone:	425-313-6275
Contact Fax:	425-313-6922
Contact Email:	LSIMPSON@COSTCO.COM
Contact Title:	LICENSING SPVR
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:	PO BOX 35005
Mailing City,State,Zip:	SEATTLE, WA 98124
Owner Name:	COSTCO WHOLESALE CORP
Owner Type:	Private
Operator Name:	DENNIS HOOVER
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

COSTCO WHOLESALE REGIONAL OFFICE NO 30 (Continued) **1016140032**

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:	20130318
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

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: COSTCO WHOLESALE CORP	
Legal Status:	Private
Date Became Current:	19830101
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE DR
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027
Owner/Operator Telephone:	425-313-8100

COSTCO WHOLESALE REGIONAL OFFICE NO 30 (Continued) **1016140032**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DENNIS HOOVER
Legal Status: Private
Date Became Current: 19830101
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: 20130311
Handler Name: COSTCO WHOLESALE REGIONAL OFFICE NO 30
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: 551114
NAICS Description: CORPORATE, SUBSIDIARY, AND REGIONAL MANAGING OFFICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055424198

Click Here for FRS Facility Detail Report:

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.

MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

COSTCO WHOLESALE REGIONAL OFFICE NO 30 (Continued) **1016140032**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016140032
Registry ID:	110055424198
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055424198
Name:	COSTCO WHOLESALE REGIONAL OFFICE NO 30
Address:	2820 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551

N45 West 1/8-1/4 0.217 mi. 1145 ft. **COSTCO #146** **CUPA Listings** **S120761679**
2800 INDEPENDENCE DRIVE **N/A**
LIVERMORE, CA

Site 2 of 5 in cluster N

Relative: Higher

Actual: 429 ft.

CUPA LIVERMORE-PLEASANTON:

CERS ID:	10146181
Name:	COSTCO #146
Address:	2800 INDEPENDENCE DRIVE
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/Hazardous Waste Generator/Underground Storage Tank(s) - 4 Tank(s)/

N46 West 1/8-1/4 0.217 mi. 1145 ft. **COSTCO WHOLESALE** **RCRA-SQG** **1001023189**
2800 INDEPENDENCE DR **FINDS** **CAR000005470**
LIVERMORE, CA 94551 **ECHO**

Site 3 of 5 in cluster N

Relative: Higher

Actual: 429 ft.

RCRA Listings:

Date Form Received by Agency:		20220225
Handler Name:	COSTCO WHOLESALE #146	
Handler Address:		2800 INDEPENDENCE DRIVE
Handler City,State,Zip:		LIVERMORE, CA 94550-0000
EPA ID:		CAR000005470
Contact Name:		SHARON SAKNIT
Contact Address:		LAKE DR
Contact City,State,Zip:		ISSAQUAH, WA 98027
Contact Telephone:		425-416-2334
Contact Fax:		Not reported
Contact Email:		ENVIRONMENTALCOMPLIANCE@COSTCO.COM
Contact Title:		DIRECTOR, GLOBAL SUSTAINABILITY & COMPLIANCE
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2021
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		GREYHAWK CT, SUITE 200
Mailing City,State,Zip:		CARLSBAD, CA 92010

COSTCO WHOLESALE (Continued) **1001023189**

Owner Name:	COSTCO WHOLESALE CORPORATION
Owner Type:	Private
Operator Name:	COSTCO WHOLESALE CORPORATION
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
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:	20220629
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

COSTCO WHOLESALE (Continued) **1001023189**

Manifest Broker: No
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
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

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

COSTCO WHOLESALE (Continued) **1001023189**

Waste Code: D011
Waste Description: SILVER

Waste Code: D013
Waste Description: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

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: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P046
Waste Description: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-

COSTCO WHOLESALE (Continued) **1001023189**

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: P188
Waste Description: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

Waste Code: P204
Waste Description: PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL, 1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER), (3AS-CIS)-

Waste Code: U010
Waste Description: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

Waste Code: U015
Waste Description: AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER)

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U035
Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U057
Waste Description: CYCLOHEXANONE (I)

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U059
Waste Description: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN

Waste Code: U075
Waste Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Waste Code: U089
Waste Description: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

Waste Code: U121
Waste Description: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFLUOROMETHANE

Waste Code: U122
Waste Description: FORMALDEHYDE

COSTCO WHOLESALE (Continued) **1001023189**

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U132
Waste Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U151
Waste Description: MERCURY

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Waste Code: U182
Waste Description: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

Waste Code: U187
Waste Description: ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN

Waste Code: U188
Waste Description: PHENOL

Waste Code: U200
Waste Description: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Waste Code: U206
Waste Description: D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Waste Code: U237
Waste Description: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD

Waste Code: U239
Waste Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Waste Code: U240
Waste Description: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Waste Code: U279
Waste Description: U279

COSTCO WHOLESALE (Continued) **1001023189**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	COSTCO WHOLESALE CORPORATION
Legal Status:	Private
Date Became Current:	19930730
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027
Owner/Operator Telephone:	425-313-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	RTHOMPSON@COSTCO.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	COSTCO WHOLESALE CORPORATION
Legal Status:	Private
Date Became Current:	19931117
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027
Owner/Operator Telephone:	425-313-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ENVIRONMENTALCOMPLIANCE@COSTCO.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	COSTCO WHOLESALE CORPORATION
Legal Status:	Private
Date Became Current:	19931117
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE DR
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027
Owner/Operator Telephone:	425-313-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	RTHOMPSON@COSTCO.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	COSTCO WHOLESALE CORPORATION
Legal Status:	Private
Date Became Current:	19930730
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027
Owner/Operator Telephone:	425-313-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ENVIRONMENTALCOMPLIANCE@COSTCO.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	COSTCO WHOLESALE CORP
Legal Status:	Private
Date Became Current:	19931117
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE DR
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027
Owner/Operator Telephone:	Not reported

COSTCO WHOLESALE (Continued) **1001023189**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COSTCO WHOLESALE CORPORATION
Legal Status: Private
Date Became Current: 19931117
Date Ended Current: Not reported
Owner/Operator Address: 999 LAKE DR
Owner/Operator City,State,Zip: ISSAQUAH, WA 98027
Owner/Operator Telephone: 425-313-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ENVIRONMENTALCOMPLIANCE@COSTCO.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: COSTCO WHOLESALE CORP
Legal Status: Private
Date Became Current: 19930730
Date Ended Current: Not reported
Owner/Operator Address: 999 LAKE DRIVE
Owner/Operator City,State,Zip: ISSAQUAH, WA 98027
Owner/Operator Telephone: 425-313-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COSTCO WHOLESALE CORPORATION
Legal Status: Private
Date Became Current: 19931117
Date Ended Current: Not reported
Owner/Operator Address: 999 LAKE DRIVE
Owner/Operator City,State,Zip: ISSAQUAH, WA 98027
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: COSTCO WHOLESALE CORPORATION
Legal Status: Private
Date Became Current: 19930730
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: COSTCO WHOLESALE CORPORATION
Legal Status: Private
Date Became Current: 19930730
Date Ended Current: Not reported

COSTCO WHOLESALE (Continued) **1001023189**

Owner/Operator Address: 999 LAKE DR
Owner/Operator City,State,Zip: ISSAQUAH, WA 98027
Owner/Operator Telephone: 425-313-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COSTCO WHOLESALE CORPORATION
Legal Status: Private
Date Became Current: 19930730
Date Ended Current: Not reported
Owner/Operator Address: 999 LAKE
Owner/Operator City,State,Zip: ISSAQUAH, WA 98027
Owner/Operator Telephone: 425-313-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: RTHOMPSON@COSTCO.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: COSTCO WHOLESALE CORP
Legal Status: Private
Date Became Current: 19931117
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: COSTCO WHOLESALE CORPORATION
Legal Status: Private
Date Became Current: 19931117
Date Ended Current: Not reported
Owner/Operator Address: 999 LAKE DRIVE
Owner/Operator City,State,Zip: ISSAQUAH, WA 98027
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: COSTCO WHOLESALE CORPORATION
Legal Status: Private
Date Became Current: 19931117
Date Ended Current: Not reported
Owner/Operator Address: 999 LAKE DR
Owner/Operator City,State,Zip: ISSAQUAH, WA 98027
Owner/Operator Telephone: 425-313-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: RTHOMPSON@COSTCO.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: MELISSA MCCURDY

COSTCO WHOLESALE (Continued) **1001023189**

Legal Status:	Private
Date Became Current:	20030201
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: MELISSA MCCURDY	
Legal Status:	Private
Date Became Current:	20030201
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: COSTCO WHOLESALE CORPORATION	
Legal Status:	Private
Date Became Current:	19931117
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE DR
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027
Owner/Operator Telephone:	425-313-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	RTHOMPSON@COSTCO.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: COSTCO WHOLESALE CORP	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE DR
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027
Owner/Operator Telephone:	425-313-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: JIM HARRIS	
Legal Status:	Private
Date Became Current:	20020531
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

COSTCO WHOLESALE (Continued) **1001023189**

Owner/Operator Indicator: Owner
Owner/Operator Name: COSTCO WHOLESALE CORP.
Legal Status: Private
Date Became Current: 19931117
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: MELISSA MCCURDY
Legal Status: Private
Date Became Current: 20030201
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: 20160804
Handler Name: COSTCO WHOLESALE # 146
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: 20180301
Handler Name: COSTCO WHOLESALE #146
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: No
Electronic Manifest Broker: No

Receive Date: 20200228
Handler Name: COSTCO WHOLESALE #146
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

COSTCO WHOLESALE (Continued) **1001023189**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220225
Handler Name: COSTCO WHOLESALE #146
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: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: COSTCO WHOLESALE NO 146
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: 20020709
Handler Name: COSTCO WHOLESALE NO 146
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: 20140505
Handler Name: COSTCO WHOLESALE NO 146
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

COSTCO WHOLESALE (Continued) **1001023189**

Electronic Manifest Broker: Not reported

Receive Date: 20211108
Handler Name: COSTCO WHOLESALE #146
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: No
Electronic Manifest Broker: No

Receive Date: 19990304
Handler Name: LIVERMORE #146
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: 20001012
Handler Name: COSTCO WHOLESALE # 146
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: 20020201
Handler Name: COSTCO WHOLESALE #146
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: 20040122
Handler Name: COSTCO WHOLESALE NO 146
Federal Waste Generator Description: Large Quantity Generator

COSTCO WHOLESALE (Continued) **1001023189**

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: 20060120
Handler Name: COSTCO WHOLESALE # 146
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: 20080207
Handler Name: COSTCO WHOLESALE #146
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: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 447190
NAICS Description: OTHER GASOLINE STATIONS

NAICS Code: 45231
NAICS Description: GENERAL MERCHANDISE STORES, INCLUDING WAREHOUSE CLUBS AND SUPERCENTERS

NAICS Code: 452311
NAICS Description: WAREHOUSE CLUBS AND SUPERCENTERS

NAICS Code: 452910
NAICS Description: WAREHOUSE CLUBS AND SUPERCENTERS

NAICS Code: 81292
NAICS Description: PHOTOFINISHING

COSTCO WHOLESALE (Continued) **1001023189**

NAICS Code: 812922
NAICS Description: ONE-HOUR PHOTOFINISHING

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
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

COSTCO WHOLESALE (Continued) **1001023189**

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
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

COSTCO WHOLESALE (Continued) **1001023189**

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
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:	20201023
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
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:	20210325

COSTCO WHOLESALE (Continued) **1001023189**

Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
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:	20180418
Evaluation Responsible Agency:	State
Found Violation:	No
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:	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:	20180314
Evaluation Responsible Agency:	State
Found Violation:	No
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:	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

FINDS:
Registry ID: 110009552055

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

COSTCO WHOLESALE (Continued) **1001023189**

HAZARDOUS WASTE BIENNIAL REPORTER

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001023189
Registry ID:	110009552055
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009552055
Name:	COSTCO WHOLESALE
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551

N47 **COSTCO WHOLESALE #146** **UST** **U004263277**
West **2800 INDEPENDENCE DR** **N/A**
1/8-1/4 **LIVERMORE, CA 94551**
0.217 mi.
1145 ft. **Site 4 of 5 in cluster N**

Relative:
Higher

Actual:
429 ft.

UST:

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Facility ID:	Not reported
Permitting Agency:	Livermore-Pleasanton FD
CERSID:	10146181
Latitude:	37.7025900
Longitude:	-121.8122600
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	COSTCO WHOLESALE CORP
Tank owner mailing address:	c/o Heather Cimuchowski, Legal-Licensing Department P.O. Box 35005
Tank owner mailing city:	SEATTLE
Tank owner mailing zip:	98124
Tank owner mailing state:	WA
Tank operator name:	COSTCO WHOLESALE CORP
Tank operator mailing address:	c/o Dwight Larsen, 845 Lake Drive
Tank operator mailing city:	ISSAQUAH
Tank operator mailing zip:	98027
Tank operator mailing state:	WA
Tankidnumber:	3
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	6/3/1999 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Premium Unleaded
Tank capacity gallons:	20000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Flexible
Tank piping type:	Pressure
Tank piping construction:	Double Walled

COSTCO WHOLESALE #146 (Continued) **U004263277**

Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Facility ID:	Not reported
Permitting Agency:	Livermore-Pleasanton FD
CERSID:	Not reported
Latitude:	37.70259
Longitude:	-121.81226
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Facility ID:	Not reported
Permitting Agency:	Livermore-Pleasanton FD

COSTCO WHOLESALE #146 (Continued) **U004263277**

CERSID:	10146181
Latitude:	37.7025900
Longitude:	-121.8122600
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	COSTCO WHOLESALE CORP
Tank owner mailing address:	c/o Heather Cimuchowski, Legal-Licensing Department P.O. Box 35005
Tank owner mailing city:	SEATTLE
Tank owner mailing zip:	98124
Tank owner mailing state:	WA
Tank operator name:	COSTCO WHOLESALE CORP
Tank operator mailing address:	c/o Dwight Larsen, 845 Lake Drive
Tank operator mailing city:	ISSAQUAH
Tank operator mailing zip:	98027
Tank operator mailing state:	WA
Tankidnumber:	2
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	6/3/1999 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Regular Unleaded
Tank capacity gallons:	20000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Flexible
Tank piping type:	Conventional Suction
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Facility ID:	Not reported
Permitting Agency:	Livermore-Pleasanton FD
CERSID:	10146181
Latitude:	37.7025900
Longitude:	-121.8122600
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	COSTCO WHOLESALE CORP
Tank owner mailing address:	c/o Heather Cimuchowski, Legal-Licensing Department P.O. Box 35005

COSTCO WHOLESALE #146 (Continued) **U004263277**

Tank owner mailing city:	SEATTLE
Tank owner mailing zip:	98124
Tank owner mailing state:	WA
Tank operator name:	COSTCO WHOLESALE CORP
Tank operator mailing address:	c/o Dwight Larsen, 845 Lake Drive
Tank operator mailing city:	ISSAQUAH
Tank operator mailing zip:	98027
Tank operator mailing state:	WA
Tankidnumber:	4
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	4/15/2014 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Other Non-petroleum
Tank capacity gallons:	1500
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	No
Tank alarms:	Yes
Tank ball float:	No
Tank spill bucket:	Yes

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Facility ID:	Not reported
Permitting Agency:	Livermore-Pleasanton FD
CERSID:	10146181
Latitude:	37.7025900
Longitude:	-121.8122600
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	COSTCO WHOLESALE CORP
Tank owner mailing address:	c/o Heather Cimuchowski, Legal-Licensing Department P.O. Box 35005
Tank owner mailing city:	SEATTLE
Tank owner mailing zip:	98124
Tank owner mailing state:	WA
Tank operator name:	COSTCO WHOLESALE CORP
Tank operator mailing address:	c/o Dwight Larsen, 845 Lake Drive
Tank operator mailing city:	ISSAQUAH
Tank operator mailing zip:	98027
Tank operator mailing state:	WA
Tankidnumber:	1
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported

COSTCO WHOLESALE #146 (Continued) **U004263277**

Tank installation date:	6/3/1999 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Regular Unleaded
Tank capacity gallons:	20000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Flexible
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

N48
West
1/8-1/4
0.217 mi.
1145 ft.

Relative:
Higher

Actual:
429 ft.

COSTCO WHOLESALE #146
2800 INDEPENDENCE DR
LIVERMORE, CA 94550

Site 5 of 5 in cluster N

CERS HAZ WASTE **S113173364**
CERS TANKS **N/A**
EMI
HAZNET
CERS
HWTS

CERS HAZ WASTE:

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551-7628
Site ID:	108281
CERS ID:	10146181
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551-7628
Site ID:	108281
CERS ID:	10146181
CERS Description:	Underground Storage Tank

EMI:

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Year:	2017
County Code:	1
Air Basin:	SF
Facility ID:	100088
Air District Name:	BA
SIC Code:	5411
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:	2.785428
Reactive Organic Gases Tons/Yr:	2.785428
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Year:	2018
County Code:	1
Air Basin:	SF
Facility ID:	100088
Air District Name:	BA
SIC Code:	5399
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:	2.785428
Reactive Organic Gases Tons/Yr:	2.785428
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:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Year:	2019
County Code:	1
Air Basin:	SF
Facility ID:	100088
Air District Name:	BA
SIC Code:	5399
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:	2.785428
Reactive Organic Gases Tons/Yr:	2.785428
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:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551
Year:	2020
County Code:	1
Air Basin:	SF
Facility ID:	100088
Air District Name:	BA
SIC Code:	5399
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:	3.315633446
Reactive Organic Gases Tons/Yr:	3.315633446

COSTCO WHOLESALE #146 (Continued) **S113173364**

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: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

HAZNET:
Name: COSTCO WHOLESALE #146
Address: 2800 INDEPENDENCE DR
Address 2: Not reported
City,State,Zip: LIVERMORE, CA 945500000
Contact: SHARON SAKNIT
Telephone: 4254162334
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK COURT SUITE 200

Year: 2021
Gepaid: CAR000005470
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.2375

Year: 2021
Gepaid: CAR000005470
TSD EPA ID: NVT330010000
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.6355

Year: 2021
Gepaid: CAR000005470
TSD EPA ID: IDD073114654
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.002

Year: 2021
Gepaid: CAR000005470
TSD EPA ID: IDD073114654
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4655

Year: 2021
Gepaid: CAR000005470
TSD EPA ID: NVT330010000
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0005

Year: 2021

COSTCO WHOLESALE #146 (Continued) **S113173364**

Gepaid: CAR000005470
TSD EPA ID: NVT330010000
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: 0.3125

Year: 2021
Gepaid: CAR000005470
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: 0.0015

Year: 2021
Gepaid: CAR000005470
TSD EPA ID: IDD073114654
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.0285

Year: 2021
Gepaid: CAR000005470
TSD EPA ID: IDD073114654
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.0175

Year: 2021
Gepaid: CAR000005470
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.39765

Click this hyperlink while viewing on your computer to access
178 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:
Year: 2020
EM Manifest ID: 527fcdc1-28e0-4b2e-a215-4124811f060c
Shipment Date: 8/31/2020
Receipt Date: 9/14/2020
Manifest Number: 021921426JJK
Generator EPA ID: CAR000005470
Name: COSTCO WHOLESALE #146
Address: INDEPENDENCE DRIVE
Address 2: Not reported
City: LIVERMORE
Zip: 94550-0000
Telephone: 800-451-8346

COSTCO WHOLESALE #146 (Continued) **S113173364**

Contact:	Not reported
Contact Telephone:	800-451-8346
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	IDD073114654
TSDF Name:	US ECOLOGY IDAHO INC SITE B
TSDF Address 1:	LEMLEY RD
TSDF Address 2:	Not reported
TSDF City:	GRAND VIEW
TSDF Zip:	83624
TSDF Telephone:	800-839-3975

Federal:

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U075

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds

COSTCO WHOLESALE #146 (Continued) **S113173364**

Federal Code:	U121
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D004
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D005
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P

COSTCO WHOLESALE #146 (Continued) **S113173364**

Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D009
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D011
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D013
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D022
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D024
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D026
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31

COSTCO WHOLESALE #146 (Continued) **S113173364**

Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U010

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U015

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U035

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U044

Year:	2020

COSTCO WHOLESALE #146 (Continued) **S113173364**

EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U058

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U059

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U089

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds

COSTCO WHOLESALE #146 (Continued) **S113173364**

Federal Code:	U122
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U129
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U132
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U150
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P

COSTCO WHOLESALE #146 (Continued) **S113173364**

Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U151
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U187
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U188
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U200
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U201
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U205
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U206
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U237
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31

COSTCO WHOLESALE #146 (Continued) **S113173364**

Manifest Number:	021921426JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03400
Quantity Waste:	68.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03400
Quantity Waste:	68.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.07450
Quantity Waste:	149.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.07450
Quantity Waste:	149.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D018

Year:	2020

COSTCO WHOLESALE #146 (Continued) **S113173364**

EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.07450
Quantity Waste:	149.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.07450
Quantity Waste:	149.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U159

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.07450
Quantity Waste:	149.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U220

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds

COSTCO WHOLESALE #146 (Continued) **S113173364**

Federal Code:	D002
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	6
Method Code:	H132
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	7
Method Code:	H110
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D009
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P

COSTCO WHOLESALE #146 (Continued) **S113173364**

Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: P075

Year: 2020
EM Manifest ID: 527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID: CAR000005470
Shipment Date: 2020-08-31
Manifest Number: 021921426JJK
Line Number: 10
Method Code: H110
Quantity Tons: 0.32500
Quantity Waste: 650.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID: CAR000005470
Shipment Date: 2020-08-31
Manifest Number: 021921426JJK
Line Number: 10
Method Code: H110
Quantity Tons: 0.32500
Quantity Waste: 650.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D010

Year: 2020
EM Manifest ID: 527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID: CAR000005470
Shipment Date: 2020-08-31
Manifest Number: 021921426JJK
Line Number: 10
Method Code: H110
Quantity Tons: 0.32500
Quantity Waste: 650.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D011

State:
Year: 2020
EM Manifest ID: 527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID: CAR000005470
Shipment Date: 2020-08-31
Manifest Number: 021921426JJK
Line Number: 1

COSTCO WHOLESALE #146 (Continued) **S113173364**

Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03400
Quantity Waste:	68.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.07450
Quantity Waste:	149.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	6
Method Code:	H132
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	7
Method Code:	H110
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	527fcdc1-28e0-4b2e-a215-4124811f060c
Generator EPA ID:	CAR000005470
Shipment Date:	2020-08-31
Manifest Number:	021921426JJK
Line Number:	10
Method Code:	H110
Quantity Tons:	0.32500
Quantity Waste:	650.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Shipment Date:	8/2/2019
Receipt Date:	8/30/2019
Manifest Number:	013616617FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-7628
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	916-351-0980
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD980884183
TSDF Name:	GEM Rancho Cordova LLC
TSDF Address 1:	11855 White Rock Road
TSDF Address 2:	Not reported
TSDF City:	Rancho Cordova
TSDF Zip:	95742
TSDF Telephone:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Federal:

Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D013

Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022

Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1

COSTCO WHOLESALE #146 (Continued) **S113173364**

Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024
Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D026
Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075
Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D004
Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005
Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Line Number: 5
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D026

Year: 2020
EM Manifest ID: c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616617FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616617FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.01600
Quantity Waste: 32.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616617FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2020

COSTCO WHOLESALE #146 (Continued) **S113173364**

EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616617FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds

COSTCO WHOLESALE #146 (Continued) **S113173364**

State Code: 311

Year: 2020
EM Manifest ID: c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616617FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: c23febe8-7e51-495c-a415-aaeb8dd2b5e4
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616617FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.01600
Quantity Waste: 32.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Shipment Date: 6/11/2020
Receipt Date: 6/25/2020
Manifest Number: 014921705FLE
Generator EPA ID: CAR000005470
Name: COSTCO
Address: 2800 INDEPENDENCE DR
Address 2: Not reported
City: LIVERMORE
Zip: 94551-7628
Telephone: 800-451-8346
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MNS000110924
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF Address 2: Not reported
TSDF City: Fernley
TSDF Zip: 89408

COSTCO WHOLESALE #146 (Continued) **S113173364**

TSDF Telephone: Not reported

Federal:

Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID: CAR000005470
Shipment Date: 2020-06-11
Manifest Number: 014921705FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID: CAR000005470
Shipment Date: 2020-06-11
Manifest Number: 014921705FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.02400
Quantity Waste: 48.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID: CAR000005470
Shipment Date: 2020-06-11
Manifest Number: 014921705FLE
Line Number: 3
Method Code: H121
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID: CAR000005470
Shipment Date: 2020-06-11
Manifest Number: 014921705FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P

COSTCO WHOLESALE #146 (Continued) **S113173364**

Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921705FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2020
EM Manifest ID:	34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921705FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2020
EM Manifest ID:	34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921705FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D016
Year:	2020
EM Manifest ID:	34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921705FLE
Line Number:	4
Method Code:	H141

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U057

Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID: CAR000005470
Shipment Date: 2020-06-11
Manifest Number: 014921705FLE
Line Number: 5
Method Code: H121
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID: CAR000005470
Shipment Date: 2020-06-11
Manifest Number: 014921705FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 214

Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID: CAR000005470
Shipment Date: 2020-06-11
Manifest Number: 014921705FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.02400
Quantity Waste: 48.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID: CAR000005470

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	2020-06-11
Manifest Number:	014921705FLE
Line Number:	3
Method Code:	H121
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	122

Year:	2020
EM Manifest ID:	34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921705FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	34ba2efd-f1dc-4735-a314-632d081418c4
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921705FLE
Line Number:	5
Method Code:	H121
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	791

Year:	2020
EM Manifest ID:	93494f65-1ac0-4608-9c58-6dff09ae698e
Shipment Date:	6/11/2020
Receipt Date:	6/23/2020
Manifest Number:	014921704FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-7628
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	916-351-0980

COSTCO WHOLESALE #146 (Continued) **S113173364**

Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD980884183
TSDF Name:	GEM Rancho Cordova LLC
TSDF Address 1:	11855 White Rock Road
TSDF Address 2:	Not reported
TSDF City:	Rancho Cordova
TSDF Zip:	95742
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	93494f65-1ac0-4608-9c58-6dff09ae698e
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921704FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01800
Quantity Waste:	36.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2020
EM Manifest ID:	93494f65-1ac0-4608-9c58-6dff09ae698e
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921704FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01800
Quantity Waste:	36.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	71cad641-d7cc-4b9a-9230-76c6c0a85b7b
Shipment Date:	6/11/2020
Receipt Date:	6/27/2020
Manifest Number:	014921706FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO #146
Address:	2800 INDEPENDENCE DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-7628
Telephone:	800-451-8346

COSTCO WHOLESALE #146 (Continued) **S113173364**

Contact:	Not reported
Contact Telephone:	925-443-6306
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	71cad641-d7cc-4b9a-9230-76c6c0a85b7b
Generator EPA ID:	CAR000005470
Shipment Date:	2020-06-11
Manifest Number:	014921706FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04250
Quantity Waste:	85.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Shipment Date:	5/28/2020
Receipt Date:	6/16/2020
Manifest Number:	014921503FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-7628
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Type:	Pounds
Federal Code:	D011
Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D016
Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U057
Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	3
Method Code:	H121
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	4
Method Code:	H121
Quantity Tons:	0.02000
Quantity Waste:	40.000000

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID: CAR000005470
Shipment Date: 2020-05-28
Manifest Number: 014921503FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.10600
Quantity Waste: 212.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: 9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID: CAR000005470
Shipment Date: 2020-05-28
Manifest Number: 014921503FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 214

Year: 2020
EM Manifest ID: 9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID: CAR000005470
Shipment Date: 2020-05-28
Manifest Number: 014921503FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID: CAR000005470
Shipment Date: 2020-05-28
Manifest Number: 014921503FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Line Number:	3
Method Code:	H121
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	791
Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	4
Method Code:	H121
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122
Year:	2020
EM Manifest ID:	9671e9a6-f724-476c-b252-185ee8756e38
Generator EPA ID:	CAR000005470
Shipment Date:	2020-05-28
Manifest Number:	014921503FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.10600
Quantity Waste:	212.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	5c7ed617-6d80-484b-8231-1ad34fc4ff9f
Shipment Date:	5/28/2020
Receipt Date:	6/9/2020
Manifest Number:	014921504FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94550-0000
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	925-443-6306
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Transporter 2 EPA ID: CAR000175422
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000515924
TSDF Name: YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1: 2730 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1901
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 5c7ed617-6d80-484b-8231-1ad34fc4ff9f
Generator EPA ID: CAR000005470
Shipment Date: 2020-05-28
Manifest Number: 014921504FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00700
Quantity Waste: 14.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 5c7ed617-6d80-484b-8231-1ad34fc4ff9f
Generator EPA ID: CAR000005470
Shipment Date: 2020-05-28
Manifest Number: 014921504FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.14150
Quantity Waste: 283.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Shipment Date: 3/20/2020
Receipt Date: 4/13/2020
Manifest Number: 013978715FLE
Generator EPA ID: CAR000005470
Name: COSTCO
Address: 2800 INDEPENDENCE DR
Address 2: Not reported
City: LIVERMORE
Zip: 94551-7628
Telephone: 800-451-8346
Contact: Not reported
Contact Telephone: 916-351-0980
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Transporter 2 EPA ID: MNS000110924
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD980884183
TSDF Name: GEM Rancho Cordova LLC
TSDF Address 1: 11855 White Rock Road
TSDF Address 2: Not reported
TSDF City: Rancho Cordova
TSDF Zip: 95742
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978715FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.06600
Quantity Waste: 132.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978715FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D004

Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978715FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003

COSTCO WHOLESALE #146 (Continued) **S113173364**

Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978715FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978715FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978715FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D026

Year:	2020
EM Manifest ID:	6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978715FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978715FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978715FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.06600
Quantity Waste: 132.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978715FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978715FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1

COSTCO WHOLESALE #146 (Continued) **S113173364**

Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: 6bb408a6-2dc5-4096-9ea4-d8fa04138003
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978715FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: 44f47d4c-f3f2-4773-8351-3550bea8edb1
Shipment Date: 3/20/2020
Receipt Date: 4/9/2020
Manifest Number: 013978716FLE
Generator EPA ID: CAR000005470
Name: COSTCO
Address: 2800 INDEPENDENCE DR
Address 2: Not reported
City: LIVERMORE
Zip: 94551-7628
Telephone: 800-451-8346
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MNS000110924
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF Address 2: Not reported
TSDF City: Fernley
TSDF Zip: 89408
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978716FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1

COSTCO WHOLESALE #146 (Continued) **S113173364**

Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978716FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2020
EM Manifest ID:	44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978716FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2020
EM Manifest ID:	44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978716FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D016
Year:	2020
EM Manifest ID:	44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978716FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U057

Year: 2020
EM Manifest ID: 44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978716FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.04800
Quantity Waste: 96.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978716FLE
Line Number: 3
Method Code: H121
Quantity Tons: 0.01050
Quantity Waste: 21.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2020
EM Manifest ID: 44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978716FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20

COSTCO WHOLESALE #146 (Continued) **S113173364**

Manifest Number: 013978716FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.04800
Quantity Waste: 96.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 44f47d4c-f3f2-4773-8351-3550bea8edb1
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20
Manifest Number: 013978716FLE
Line Number: 3
Method Code: H121
Quantity Tons: 0.01050
Quantity Waste: 21.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 122

Year: 2020
EM Manifest ID: 81932df2-e7e0-4f1e-b056-60dea30c5739
Shipment Date: 3/20/2020
Receipt Date: 4/3/2020
Manifest Number: 013978717FLE
Generator EPA ID: CAR000005470
Name: COSTCO WHOLESALE #146
Address: 2800 INDEPENDENCE DRIVE
Address 2: Not reported
City: LIVERMORE
Zip: 94551
Telephone: 800-451-8346
Contact: Not reported
Contact Telephone: 925-443-6306
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000175422
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000515924
TSDF Name: YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1: 2730 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1901
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 81932df2-e7e0-4f1e-b056-60dea30c5739
Generator EPA ID: CAR000005470
Shipment Date: 2020-03-20

COSTCO WHOLESALE #146 (Continued) **S113173364**

Manifest Number:	013978717FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	81932df2-e7e0-4f1e-b056-60dea30c5739
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978717FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01700
Quantity Waste:	34.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	81932df2-e7e0-4f1e-b056-60dea30c5739
Generator EPA ID:	CAR000005470
Shipment Date:	2020-03-20
Manifest Number:	013978717FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.19950
Quantity Waste:	399.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2019
EM Manifest ID:	588151
Shipment Date:	Not reported
Receipt Date:	Not reported
Manifest Number:	011491131FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94550-0000
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	425-313-6674

COSTCO WHOLESALE #146 (Continued) **S113173364**

Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000175422
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000515924
TSDF Name: YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1: 2730 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1901
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 588151
Generator EPA ID: CAR000005470
Shipment Date: NULL
Manifest Number: 011491131FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.15600
Quantity Waste: 312.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 588151
Generator EPA ID: CAR000005470
Shipment Date: NULL
Manifest Number: 011491131FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.06750
Quantity Waste: 135.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 782226
Shipment Date: 9/6/2018
Receipt Date: 9/24/2018
Manifest Number: 011430223FLE
Generator EPA ID: CAR000005470
Name: COSTCO WHOLESALE #146
Address: 2800 INDEPENDENCE DRIVE
Address 2: Not reported
City: LIVERMORE
Zip: 94550-0000
Telephone: 800-451-8346
Contact: Not reported
Contact Telephone: 425-313-6674

COSTCO WHOLESALE #146 (Continued) **S113173364**

Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	782226
Generator EPA ID:	CAR000005470
Shipment Date:	2018-09-06
Manifest Number:	011430223FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03500
Quantity Waste:	70.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	782226
Generator EPA ID:	CAR000005470
Shipment Date:	2018-09-06
Manifest Number:	011430223FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.08650
Quantity Waste:	173.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	782226
Generator EPA ID:	CAR000005470
Shipment Date:	2018-09-06
Manifest Number:	011430223FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.11400
Quantity Waste:	228.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2019
EM Manifest ID:	46136
Shipment Date:	9/26/2019
Receipt Date:	10/23/2019
Manifest Number:	013965986FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-7628
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	1
Method Code:	H121
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year: 2019

COSTCO WHOLESALE #146 (Continued) **S113173364**

EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011

Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D016

Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds

COSTCO WHOLESALE #146 (Continued) **S113173364**

Federal Code:	U057
Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D009
Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P

COSTCO WHOLESALE #146 (Continued) **S113173364**

Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 46136
Generator EPA ID: CAR000005470
Shipment Date: 2019-09-26
Manifest Number: 013965986FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.07600
Quantity Waste: 152.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 46136
Generator EPA ID: CAR000005470
Shipment Date: 2019-09-26
Manifest Number: 013965986FLE
Line Number: 7
Method Code: H121
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2019
EM Manifest ID: 46136
Generator EPA ID: CAR000005470
Shipment Date: 2019-09-26
Manifest Number: 013965986FLE
Line Number: 1
Method Code: H121
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 46136
Generator EPA ID: CAR000005470
Shipment Date: 2019-09-26
Manifest Number: 013965986FLE
Line Number: 2

COSTCO WHOLESALE #146 (Continued) **S113173364**

Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181
Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
State Code:	214
Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.07600
Quantity Waste:	152.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	46136
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965986FLE
Line Number:	7
Method Code:	H121
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122

Year:	2019
EM Manifest ID:	677638
Shipment Date:	9/26/2019
Receipt Date:	10/9/2019
Manifest Number:	013965987FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO #146
Address:	2800 INDEPENDENCE DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94550-0000
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	925-443-6306
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	677638
Generator EPA ID:	CAR000005470

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	2019-09-26
Manifest Number:	013965987FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03750
Quantity Waste:	75.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	677638
Generator EPA ID:	CAR000005470
Shipment Date:	2019-09-26
Manifest Number:	013965987FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.18400
Quantity Waste:	368.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Shipment Date:	8/2/2019
Receipt Date:	8/28/2019
Manifest Number:	013616618FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-7628
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D016

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U057

Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616618FLE
Line Number: 4
Method Code: H121
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616618FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.07350
Quantity Waste: 147.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616618FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01400
Quantity Waste: 28.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID: CAR000005470
Shipment Date: 2019-08-02
Manifest Number: 013616618FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
State Code:	214
Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	4
Method Code:	H121
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122
Year:	2019
EM Manifest ID:	62c3d7f2-932b-400f-842e-3600fb6a3d4b
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616618FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.07350
Quantity Waste:	147.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	536750
Shipment Date:	8/2/2019
Receipt Date:	8/21/2019

COSTCO WHOLESALE #146 (Continued) **S113173364**

Manifest Number:	013616619FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO #146
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City:	LIVERSORE
Zip:	94551
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	925-443-6306
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	536750
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616619FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	536750
Generator EPA ID:	CAR000005470
Shipment Date:	2019-08-02
Manifest Number:	013616619FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.17050
Quantity Waste:	341.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	452973
Shipment Date:	6/13/2019
Receipt Date:	7/3/2019

COSTCO WHOLESALE #146 (Continued) **S113173364**

Manifest Number:	013122590FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-7628
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2019
EM Manifest ID:	452973

COSTCO WHOLESALE #146 (Continued) **S113173364**

Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D016

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U057

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D004

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D026

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D013
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D026

Year: 2019
EM Manifest ID: 452973
Generator EPA ID: CAR000005470
Shipment Date: 2019-06-13
Manifest Number: 013122590FLE
Line Number: 8
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P001

Year: 2019
EM Manifest ID: 452973
Generator EPA ID: CAR000005470
Shipment Date: 2019-06-13
Manifest Number: 013122590FLE
Line Number: 9
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P001

State:
Year: 2019
EM Manifest ID: 452973
Generator EPA ID: CAR000005470
Shipment Date: 2019-06-13
Manifest Number: 013122590FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01150
Quantity Waste: 23.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 122

Year: 2019
EM Manifest ID: 452973
Generator EPA ID: CAR000005470
Shipment Date: 2019-06-13
Manifest Number: 013122590FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Line Number:	2
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	791
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	452973

COSTCO WHOLESALE #146 (Continued) **S113173364**

Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	452973
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122590FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2019
EM Manifest ID:	474634
Shipment Date:	6/13/2019
Receipt Date:	7/2/2019
Manifest Number:	013122595FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94550-0000
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	925-443-6306
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	474634
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122595FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	474634
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122595FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.21850
Quantity Waste:	437.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2019
EM Manifest ID:	451861
Shipment Date:	6/13/2019
Receipt Date:	7/11/2019
Manifest Number:	013122594FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-7628
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03500
Quantity Waste:	70.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019

COSTCO WHOLESALE #146 (Continued) **S113173364**

EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.04950
Quantity Waste:	99.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03500
Quantity Waste:	70.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
State Code:	214
Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	451861
Generator EPA ID:	CAR000005470
Shipment Date:	2019-06-13
Manifest Number:	013122594FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.04950
Quantity Waste:	99.000000

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	011491130FLE20180613_D_1
Shipment Date:	6/13/2018
Receipt Date:	8/9/2018
Manifest Number:	011491130FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO #146
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY EMN LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	011491130FLE20180613_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-06-13
Manifest Number:	011491130FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05700
Quantity Waste:	114.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2019
EM Manifest ID:	011491130FLE20180613_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-06-13
Manifest Number:	011491130FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04600
Quantity Waste:	92.000000

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2019
EM Manifest ID: 011491130FLE20180613_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-06-13
Manifest Number: 011491130FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 011491130FLE20180613_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-06-13
Manifest Number: 011491130FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.05700
Quantity Waste: 114.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2019
EM Manifest ID: 011491130FLE20180613_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-06-13
Manifest Number: 011491130FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.04600
Quantity Waste: 92.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2019
EM Manifest ID: 011491130FLE20180613_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-06-13
Manifest Number: 011491130FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Detail Two:

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Shipment Date:	8/28/2017
Receipt Date:	9/7/2017
Manifest Number:	010076289FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO #146
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY EMN LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.08250
Quantity Waste:	165.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.11150
Quantity Waste:	223.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	4
Method Code:	H121
Quantity Tons:	0.03350
Quantity Waste:	67.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P075

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D016

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Type:	NULL
Federal Code:	D004
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 010076289FLE20170828_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-08-28
Manifest Number: 010076289FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018
EM Manifest ID: 010076289FLE20170828_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-08-28
Manifest Number: 010076289FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.08250
Quantity Waste: 165.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010076289FLE20170828_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-08-28
Manifest Number: 010076289FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.11150
Quantity Waste: 223.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010076289FLE20170828_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-08-28
Manifest Number: 010076289FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Line Number:	4
Method Code:	H121
Quantity Tons:	0.03350
Quantity Waste:	67.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1

COSTCO WHOLESALE #146 (Continued) **S113173364**

Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.10500
Quantity Waste:	210.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.06550
Quantity Waste:	131.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010076289FLE20170828_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-28
Manifest Number:	010076289FLE
Line Number:	13
Method Code:	H141
Quantity Tons:	0.03950
Quantity Waste:	79.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010650309FLE20170817_D_1
Shipment Date:	8/17/2017
Receipt Date:	8/24/2017
Manifest Number:	010650309FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO WHOLESALE CORPORATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000183913
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAT080016116
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT080013352
TSDF Name:	DEMENNO KERDOON
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

State:

Year:	2018
EM Manifest ID:	010650309FLE20170817_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-08-17
Manifest Number:	010650309FLE
Line Number:	1
Method Code:	H039
Quantity Tons:	0.04200
Quantity Waste:	10.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	009697264FLE20170608_D_1
Shipment Date:	6/8/2017
Receipt Date:	6/15/2017
Manifest Number:	009697264FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO WHOLESALE CORPORATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000183913
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAT080016116
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT080013352
TSDF Name:	DEMENNO KERDOON
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	009697264FLE20170608_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-08
Manifest Number:	009697264FLE
Line Number:	1
Method Code:	H039
Quantity Tons:	0.04200
Quantity Waste:	10.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

COSTCO WHOLESALE #146 (Continued) **S113173364**

State Code: 134

Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Shipment Date: 6/7/2017
Receipt Date: 6/20/2017
Manifest Number: 010075995FLE
Generator EPA ID: CAR000005470
Name: COSTCO #146
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D004

Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL

COSTCO WHOLESALE #146 (Continued) **S113173364**

Federal Code:	D005
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D004
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P

COSTCO WHOLESALE #146 (Continued) **S113173364**

Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D022

Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D024

Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D026

Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 3
Method Code: H141

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	4
Method Code:	H076
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P075
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07

COSTCO WHOLESALE #146 (Continued) **S113173364**

Manifest Number: 010075995FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.09450
Quantity Waste: 189.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 8
Method Code: H141
Quantity Tons: 0.13400
Quantity Waste: 268.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010075995FLE20170607_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-06-07
Manifest Number: 010075995FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	4
Method Code:	H076
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	131

Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.09450
Quantity Waste:	189.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.13400
Quantity Waste:	268.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.15050
Quantity Waste:	301.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	010075995FLE20170607_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-06-07
Manifest Number:	010075995FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.06900
Quantity Waste:	138.000000

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Unit: P
Number of Containers: 4
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 009697609FLE20170330_D_1
Shipment Date: 3/30/2017
Receipt Date: 4/6/2017
Manifest Number: 009697609FLE
Generator EPA ID: CAR000005470
Name: COSTCO WHOLESALE CORPORATION
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000183913
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAT080016116
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT080013352
TSDF Name: DEMENNO KERDOON
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 009697609FLE20170330_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-03-30
Manifest Number: 009697609FLE
Line Number: 1
Method Code: H039
Quantity Tons: 0.18900
Quantity Waste: 45.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Year: 2018
EM Manifest ID: 011294062FLE20180327_D_1
Shipment Date: 3/27/2018
Receipt Date: 4/10/2018
Manifest Number: 011294062FLE
Generator EPA ID: CAR000005470
Name: COSTCO #146
Address: Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY EMN LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	011294062FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294062FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04800
Quantity Waste:	96.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	011294062FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294062FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.09000
Quantity Waste:	180.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	011294062FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294062FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 011294062FLE20180327_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-03-27
Manifest Number: 011294062FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.04800
Quantity Waste: 96.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 011294062FLE20180327_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-03-27
Manifest Number: 011294062FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.09000
Quantity Waste: 180.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 011294062FLE20180327_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-03-27
Manifest Number: 011294062FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 011294061FLE20180327_D_1
Shipment Date: 3/27/2018
Receipt Date: 4/20/2018

COSTCO WHOLESALE #146 (Continued) **S113173364**

Manifest Number:	011294061FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO #146
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P075

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D013
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1

COSTCO WHOLESALE #146 (Continued) **S113173364**

Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D022

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D004

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Type:	NULL
Federal Code:	D026
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D013
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D022
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D004
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	10

COSTCO WHOLESALE #146 (Continued) **S113173364**

Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D026

State:

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1

COSTCO WHOLESALE #146 (Continued) **S113173364**

Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

COSTCO WHOLESALE #146 (Continued) **S113173364**

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	011294061FLE20180327_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-27
Manifest Number:	011294061FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	011294063FLE20180327_D_1
Shipment Date:	3/27/2018
Receipt Date:	4/14/2018
Manifest Number:	011294063FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO #146
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 011294063FLE20180327_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-03-27
Manifest Number: 011294063FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.06750
Quantity Waste: 135.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 011294063FLE20180327_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2018-03-27
Manifest Number: 011294063FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.07200
Quantity Waste: 144.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010639065FLE20180313_D_1
Shipment Date: 3/13/2018
Receipt Date: 3/22/2018
Manifest Number: 010639065FLE
Generator EPA ID: CAR000005470
Name: COSTCO WHOLESALE CORPORATION
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000183913
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAT080016116
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT080013352
TSDF Name: DEMENNO KERDOON
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	010639065FLE20180313_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2018-03-13
Manifest Number:	010639065FLE
Line Number:	1
Method Code:	H039
Quantity Tons:	0.02100
Quantity Waste:	5.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Shipment Date:	2/23/2017
Receipt Date:	2/28/2017
Manifest Number:	008666647FLE
Generator EPA ID:	CAR000005470
Name:	COSTCO #146
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY EMN LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1

COSTCO WHOLESALE #146 (Continued) **S113173364**

Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.09300
Quantity Waste:	186.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06850
Quantity Waste:	137.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D016
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D026
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Line Number: 8
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

Year: 2018
EM Manifest ID: 008666647FLE20170223_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-02-23
Manifest Number: 008666647FLE
Line Number: 8
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D011

Year: 2018
EM Manifest ID: 008666647FLE20170223_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-02-23
Manifest Number: 008666647FLE
Line Number: 9
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 008666647FLE20170223_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-02-23
Manifest Number: 008666647FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018

COSTCO WHOLESALE #146 (Continued) **S113173364**

EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.09300
Quantity Waste:	186.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06850
Quantity Waste:	137.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

COSTCO WHOLESALE #146 (Continued) **S113173364**

State Code: 311

Year: 2018
EM Manifest ID: 008666647FLE20170223_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-02-23
Manifest Number: 008666647FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 008666647FLE20170223_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-02-23
Manifest Number: 008666647FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 008666647FLE20170223_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-02-23
Manifest Number: 008666647FLE
Line Number: 8
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 008666647FLE20170223_D_1
Generator EPA ID: CAR000005470
Shipment Date: 2017-02-23
Manifest Number: 008666647FLE
Line Number: 9
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P

COSTCO WHOLESALE #146 (Continued) **S113173364**

Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.04250
Quantity Waste:	85.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	008666647FLE20170223_D_1
Generator EPA ID:	CAR000005470
Shipment Date:	2017-02-23
Manifest Number:	008666647FLE
Line Number:	13
Method Code:	H141

COSTCO WHOLESALE #146 (Continued) **S113173364**

Quantity Tons:	0.11650
Quantity Waste:	233.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Additional Info:

Year:	2017
Gen EPA ID:	CAR000005470
Shipment Date:	20171220
Creation Date:	10/25/2018 18:30:19
Receipt Date:	20171227
Manifest ID:	010664233FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.015
Waste Quantity:	30
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:	20171220
Creation Date:	8/3/2018 18:30:42
Receipt Date:	20171228
Manifest ID:	010664234FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0084
Waste Quantity:	2
Quantity Unit:	G

COSTCO WHOLESALE #146 (Continued) **S113173364**

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:	20171107
Creation Date:	10/16/2018 18:31:07
Receipt Date:	20171115
Manifest ID:	010665740FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
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:	20171027
Creation Date:	8/12/2018 18:30:07
Receipt Date:	20171106
Manifest ID:	009149391FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20171027

COSTCO WHOLESALE #146 (Continued) **S113173364**

Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009149392FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D026
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D011
Additional Code 2:	D010
Additional Code 3:	D005
Additional Code 4:	D004
Additional Code 5:	Not reported

Shipment Date:	20171027
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009149392FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
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:	20171027
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171120
Manifest ID:	009149392FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS

COSTCO WHOLESALE #146 (Continued) **S113173364**

TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U057
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.062
Waste Quantity:	124
Quantity Unit:	P
Additional Code 1:	D016
Additional Code 2:	D011
Additional Code 3:	D010
Additional Code 4:	D007
Additional Code 5:	Not reported
Shipment Date:	20171027
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171120
Manifest ID:	009149392FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0425
Waste Quantity:	85
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:	20171027
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171120
Manifest ID:	009149392FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN 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

COSTCO WHOLESALE #146 (Continued) **S113173364**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.063
Waste Quantity:	126
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:	20171027
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171120
Manifest ID:	009149392FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN 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:	0.0805
Waste Quantity:	161
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:	CAR000005470
Shipment Date:	20151215
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151218
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0315
Waste Quantity:	63

COSTCO WHOLESALE #146 (Continued) **S113173364**

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:	20151215
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.036
Waste Quantity:	72
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:	20151215
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151218
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	20151215
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151218
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	0.033
Waste Quantity:	66
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:	20151215
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151218
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	0.035
Waste Quantity:	70
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:	20151215
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20160112
Manifest ID:	008675534FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617

COSTCO WHOLESALE #146 (Continued) **S113173364**

Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
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:	20151209
Creation Date:	9/27/2016 18:30:52
Receipt Date:	20151216
Manifest ID:	008719026FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
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:	20151209
Creation Date:	3/3/2016 22:15:11
Receipt Date:	20151217
Manifest ID:	008719027FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
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:	20151117
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151207
Manifest ID:	008552154FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	0.033
Waste Quantity:	66
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:	20151117
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151207
Manifest ID:	008552154FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000005470
Shipment Date:	20151215
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151218
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	0.035
Waste Quantity:	70
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:	20151215
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20160112
Manifest ID:	008675534FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
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

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	20151215
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151218
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0315
Waste Quantity:	63
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:	20151215
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.036
Waste Quantity:	72
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:	20151215
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151218
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	0.033
Waste Quantity:	66
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:	20151215
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151218
Manifest ID:	008675535FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20151209
Creation Date:	3/3/2016 22:15:11
Receipt Date:	20151217
Manifest ID:	008719027FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
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:	20151209
Creation Date:	9/27/2016 18:30:52
Receipt Date:	20151216
Manifest ID:	008719026FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
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:	20151117
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008552154FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	76
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151117
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008552154FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

Additional Info:

Year:	2014
Gen EPA ID:	CAR000005470
Shipment Date:	20141230
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150108
Manifest ID:	007640645FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
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

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	20141230
Creation Date:	3/23/2015 22:15:13
Receipt Date:	20150114
Manifest ID:	007640646FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
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:	20141203
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141208
Manifest ID:	006445960FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20141203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006445960FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
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:	20141203
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141208
Manifest ID:	006445960FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0285
Waste Quantity:	57
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:	20141203
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141208
Manifest ID:	006445960FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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

COSTCO WHOLESALE #146 (Continued) **S113173364**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0265
Waste Quantity:	53
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:	20141203
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141208
Manifest ID:	006445960FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0345
Waste Quantity:	69
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:	20141203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006445960FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0395
Waste Quantity:	79
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141112
Creation Date:	4/9/2015 22:15:05
Receipt Date:	20141119
Manifest ID:	007639405FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0375
Waste Quantity:	75
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:	20141106
Creation Date:	1/21/2016 22:15:11
Receipt Date:	Not reported
Manifest ID:	007311653FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN 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:	- Not reported
Quantity Tons:	0.027
Waste Quantity:	54
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:	2013
Gen EPA ID:	CAR000005470

COSTCO WHOLESALE #146 (Continued) **S113173364**

Shipment Date:	20131126
Creation Date:	2/18/2014 22:15:13
Receipt Date:	20131211
Manifest ID:	005763041FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.294
Waste Quantity:	70
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:	20131108
Creation Date:	4/5/2014 22:15:10
Receipt Date:	20131202
Manifest ID:	005498391FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
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:	0.076
Waste Quantity:	152
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:	20131108
Creation Date:	4/5/2014 22:15:10
Receipt Date:	20131202
Manifest ID:	005498391FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133

COSTCO WHOLESALE #146 (Continued) **S113173364**

Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1505
Waste Quantity:	301
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:	20131108
Creation Date:	4/5/2014 22:15:10
Receipt Date:	20131202
Manifest ID:	005498391FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
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:	0.073
Waste Quantity:	146
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:	20131108
Creation Date:	4/5/2014 22:15:10
Receipt Date:	20131202
Manifest ID:	005498391FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

COSTCO WHOLESALE #146 (Continued) **S113173364**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
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:	20131030
Creation Date:	12/27/2013 22:15:22
Receipt Date:	20131107
Manifest ID:	005763557FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
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:	20131030
Creation Date:	4/7/2014 22:15:17
Receipt Date:	20131106
Manifest ID:	005761869FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131002
Creation Date:	2/24/2014 22:15:16
Receipt Date:	20131018
Manifest ID:	005499280FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130904
Creation Date:	1/17/2014 22:15:06
Receipt Date:	20130911
Manifest ID:	005760121FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
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:	20130808
Creation Date:	10/18/2013 22:15:07
Receipt Date:	20130816
Manifest ID:	005749443FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.021
Waste Quantity: 5
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: 2012
Gen EPA ID: CAR000005470

Shipment Date: 20121227
Creation Date: 5/8/2013 22:15:17
Receipt Date: 20130102
Manifest ID: 005772945FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.05
Waste Quantity: 100
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: 20121129
Creation Date: 2/15/2013 22:15:34
Receipt Date: 20121211
Manifest ID: 005773887FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
Trans 2 EPA ID: Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.42
Waste Quantity:	100
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:	20121129
Creation Date:	2/15/2013 22:15:34
Receipt Date:	20121211
Manifest ID:	005773887FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
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:	20121025
Creation Date:	3/22/2013 22:15:17
Receipt Date:	20121031
Manifest ID:	005773606FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018

COSTCO WHOLESALE #146 (Continued) **S113173364**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0375
Waste Quantity:	75
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:	20121024
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121115
Manifest ID:	005500766FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0155
Waste Quantity:	31
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:	20121024
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121115
Manifest ID:	005500766FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0245
Waste Quantity:	49
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121024
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121115
Manifest ID:	005500766FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
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:	20121024
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005500766FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.037
Waste Quantity:	74
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:	20121024
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121115
Manifest ID:	005500766FLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
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:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120911
Creation Date:	3/13/2013 22:15:46
Receipt Date:	20120919
Manifest ID:	005771835FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.175
Waste Quantity:	350
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

CERS:

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551-7628
Site ID:	108281
CERS ID:	10146181
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	108281
Site Name:	Costco Wholesale #146

COSTCO WHOLESALE #146 (Continued) **S113173364**

Violation Date:	03-19-2014
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes:	Returned to compliance on 06/09/2014.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	108281
Site Name:	Costco Wholesale #146
Violation Date:	03-19-2015
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Returned to compliance on 04/23/2015.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,
Site ID:	108281
Site Name:	Costco Wholesale #146
Violation Date:	03-17-2017
Citation:	HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description:	Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes:	Returned to compliance on 06/05/2017.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	UST
Violation Source:	CERS,
Site ID:	108281
Site Name:	Costco Wholesale #146
Violation Date:	10-23-2020
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
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:	Not reported
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	108281
Site Name:	Costco Wholesale #146
Violation Date:	04-25-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/09/2014.
Violation Division:	Livermore-Pleasanton FD
Violation Program:	HW
Violation Source:	CERS,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-19-2015
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 with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/23/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-28-2019
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 hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/23/2020.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-19-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Release/Leaks/Spills - General
Violation Notes: Returned to compliance on 05/07/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: UST
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-19-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/23/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-21-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval General Type: Other/Unknown
Eval Date: 04-30-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-30-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2019
Violations Found: No

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-23-2015
Violations Found: No

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-23-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 108281
Site Name: Costco Wholesale #146
Site Address: 2800 INDEPENDENCE DR
Site City: LIVERMORE
Site Zip: 94551-7628
Enf Action Date: 04-25-2014
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: Livermore-Pleasanton FD
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Site Address: 2800 INDEPENDENCE DR
Site City: LIVERMORE
Site Zip: 94551-7628
Enf Action Date: 04-25-2014
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: Livermore-Pleasanton FD
Enf Action Program: UST
Enf Action Source: CERS,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Coordinates:

Site ID:	108281
Facility Name:	Costco Wholesale #146
Env Int Type Code:	HWG
Program ID:	10146181
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	37.702590
Longitude:	-121.812260

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	COSTCO WHOLESALE ; ENVIR SVC
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Costco Licensing , P.O. Box 35005
Affiliation City:	Seattle
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	98124-3405
Affiliation Phone:	,
Affiliation Type Desc:	Facility Owner
Entity Name:	COSTCO WHOLESALE
Entity Title:	OWNER
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST PO Name
Entity Name:	COSTCO WHOL CORPRT
Entity Title:	Not reported
Affiliation Address:	C/O LISA SIMPSONNA LEGAL-LICENSING DEPARTMENTNA P
Affiliation City:	SEATTLE
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Costco Wholesale Corp
Entity Title:	Not reported
Affiliation Address:	c/o Heather Cimuchowski, Legal-Licensing Department P.O. Box 35005
Affiliation City:	SEATTLE

COSTCO WHOLESALE #146 (Continued) **S113173364**

Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98124
Affiliation Phone:	(425) 313-8100,
Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,
Affiliation Type Desc:	Environmental Contact
Entity Name:	COSTCO WHOLESALE ; RISK MGMT C O DALE
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	DAN MCCOEY
Entity Title:	ASSISTANT WAREHOUSE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ELIZ CAMPOS
Entity Title:	REGULATORY SPEC
Affiliation Address:	3207 GREY HAWK CTSTE 200
Affiliation City:	CARLSBAD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ERIC D ENSMINGER
Entity Title:	SUPERVISOR, REGULATORY COMPLIANCE
Affiliation Address:	3207 GREY HAWK CTSTE 200
Affiliation City:	CARLSBAD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Tristan Guison, Agent for Costco Wholesale Corporation

COSTCO WHOLESALE #146 (Continued) **S113173364**

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:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ELIZABETH CAMPOS
Entity Title:	REGULATORY SPEC
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	GREG GUTIERREZ
Entity Title:	WAREHOUSE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Tristan Guison, Agent for Costco Wholesale Corporation
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Costco Wholesale Corporation
Entity Title:	Not reported
Affiliation Address:	999 Lake Drive
Affiliation City:	Issaquah
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98027
Affiliation Phone:	(425) 313-8100,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Costco
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:	,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Affiliation Type Desc:	Property Owner
Entity Name:	Costco Wholesale Corporation
Entity Title:	Not reported
Affiliation Address:	999 Lake Drive
Affiliation City:	Issaquah
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98027
Affiliation Phone:	(425) 313-8100,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	Costco Wholesale Corp
Entity Title:	Not reported
Affiliation Address:	c/o Heather Cimuchowski, Legal-Licensing Department P.O. Box 35005
Affiliation City:	SEATTLE
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98124
Affiliation Phone:	(425) 313-8100,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Global Sustainability and Compliance
Entity Title:	Not reported
Affiliation Address:	1045 Lake Drive
Affiliation City:	Issaquah
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	98027
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	COSTCO WHOLESALE
Entity Title:	OPERATOR
Affiliation Address:	COSTCO WHOLESALE ATTN LICENSING POBOX 35005
Affiliation City:	SEATTLE
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Costco Wholesale 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:	(425) 313-8100,

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Dennis Bock
Entity Title:	Compliance Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Affiliation Zip:	Not reported
Affiliation Phone:	(425) 427-7653,
Affiliation Type Desc:	Environmental Contact
Entity Name:	BECKY KOCH
Entity Title:	ADMINISTRATIVE MANAGER
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	COSTCO WHOL ; ENVIR SVC
Entity Title:	Not reported
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ELIZABETH CAMPOS
Entity Title:	REGULATORY SPEC
Affiliation Address:	3207 GREY HAWK CTSTE 200
Affiliation City:	CARLSBAD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	COSTCO WHOL
Entity Title:	Not reported
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Costco Wholesale Corp
Entity Title:	Not reported
Affiliation Address:	c/o Dwight Larsen, 845 Lake Drive
Affiliation City:	ISSAQUAH
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98027
Affiliation Phone:	(425) 313-8100,
Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
City,State,Zip:	LIVERMORE, CA 94551-7628

COSTCO WHOLESALE #146 (Continued) **S113173364**

Site ID: 108281
CERS ID: 110009552055
CERS Description: US EPA Air Emission Inventory System (EIS)

Violations:

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-19-2014
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 06/09/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-19-2015
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 04/23/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-17-2017
Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Returned to compliance on 06/05/2017.
Violation Division: Livermore-Pleasanton FD
Violation Program: UST
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 10-23-2020
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
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: Not reported
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 04-25-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/09/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-19-2015
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 with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/23/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-28-2019
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 hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/23/2020.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-19-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Release/Leaks/Spills - General
Violation Notes: Returned to compliance on 05/07/2014.
Violation Division: Livermore-Pleasanton FD
Violation Program: UST
Violation Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Violation Date: 03-19-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/23/2015.
Violation Division: Livermore-Pleasanton FD
Violation Program: HMRRP
Violation Source: CERS,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-17-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-19-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-28-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	04-18-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	04-21-2021

COSTCO WHOLESALE #146 (Continued) **S113173364**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-30-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-30-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-02-2018
Violations Found: No

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-23-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-23-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Eval General Type: Other/Unknown
Eval Date: 06-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 108281
Site Name: Costco Wholesale #146
Site Address: 2800 INDEPENDENCE DR
Site City: LIVERMORE
Site Zip: 94551-7628
Enf Action Date: 04-25-2014
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: Livermore-Pleasanton FD
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 108281
Site Name: Costco Wholesale #146
Site Address: 2800 INDEPENDENCE DR
Site City: LIVERMORE
Site Zip: 94551-7628
Enf Action Date: 04-25-2014
Enf Action Type: Notice of Violation (Unified Program)

COSTCO WHOLESALE #146 (Continued) **S113173364**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Livermore-Pleasanton FD
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 108281
Facility Name: Costco Wholesale #146
Env Int Type Code: HWG
Program ID: 10146181
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.702590
Longitude: -121.812260

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: COSTCO WHOLESALE ; ENVIR SVC
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 999 LAKE DRIVE
Affiliation City: ISSAQUAH
Affiliation State: WA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: Costco Licensing , P.O. Box 35005
Affiliation City: Seattle
Affiliation State: WA
Affiliation Country: Not reported
Affiliation Zip: 98124-3405
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: COSTCO WHOLESALE
Entity Title: OWNER
Affiliation Address: 999 LAKE DRIVE
Affiliation City: ISSAQUAH
Affiliation State: WA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST PO Name
Entity Name: COSTCO WHOL CORPRT
Entity Title: Not reported
Affiliation Address: C/O LISA SIMPSONNA LEGAL-LICENSING DEPARTMENTNA P
Affiliation City: SEATTLE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

COSTCO WHOLESALE #146 (Continued) **S113173364**

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Costco Wholesale Corp
Entity Title:	Not reported
Affiliation Address:	c/o Heather Cimuchowski, Legal-Licensing Department P.O. Box 35005
Affiliation City:	SEATTLE
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98124
Affiliation Phone:	(425) 313-8100,

Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,

Affiliation Type Desc:	Environmental Contact
Entity Name:	COSTCO WHOLESALE ; RISK MGMT C O DALE
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	DAN MCCOEY
Entity Title:	ASSISTANT WAREHOUSE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	ELIZ CAMPOS
Entity Title:	REGULATORY SPEC
Affiliation Address:	3207 GREY HAWK CTSTE 200
Affiliation City:	CARLSBAD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	ERIC D ENSMINGER
Entity Title:	SUPERVISOR, REGULATORY COMPLIANCE
Affiliation Address:	3207 GREY HAWK CTSTE 200
Affiliation City:	CARLSBAD
Affiliation State:	CA
Affiliation Country:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Tristan Guison, Agent for Costco Wholesale 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:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ELIZABETH CAMPOS
Entity Title:	REGULATORY SPEC
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	GREG GUTIERREZ
Entity Title:	WAREHOUSE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Tristan Guison, Agent for Costco Wholesale Corporation
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Costco Wholesale Corporation
Entity Title:	Not reported
Affiliation Address:	999 Lake Drive
Affiliation City:	Issaquah
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98027
Affiliation Phone:	(425) 313-8100,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Costco
Entity Title:	Not reported
Affiliation Address:	Not reported

COSTCO WHOLESALE #146 (Continued) **S113173364**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Costco Wholesale Corporation
Entity Title:	Not reported
Affiliation Address:	999 Lake Drive
Affiliation City:	Issaquah
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98027
Affiliation Phone:	(425) 313-8100,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Costco Wholesale Corp
Entity Title:	Not reported
Affiliation Address:	c/o Heather Cimuchowski, Legal-Licensing Department P.O. Box 35005
Affiliation City:	SEATTLE
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98124
Affiliation Phone:	(425) 313-8100,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Global Sustainability and Compliance
Entity Title:	Not reported
Affiliation Address:	1045 Lake Drive
Affiliation City:	Issaquah
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	98027
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	COSTCO WHOLESALE
Entity Title:	OPERATOR
Affiliation Address:	COSTCO WHOLESALE ATTN LICENSING POBOX 35005
Affiliation City:	SEATTLE
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Costco Wholesale 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:	(425) 313-8100,
Affiliation Type Desc:	UST Permit Applicant

COSTCO WHOLESALE #146 (Continued) **S113173364**

Entity Name:	Dennis Bock
Entity Title:	Compliance Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(425) 427-7653,
Affiliation Type Desc:	Environmental Contact
Entity Name:	BECKY KOCH
Entity Title:	ADMINISTRATIVE MANAGER
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	COSTCO WHOL ; ENVIR SVC
Entity Title:	Not reported
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ELIZABETH CAMPOS
Entity Title:	REGULATORY SPEC
Affiliation Address:	3207 GREY HAWK CTSTE 200
Affiliation City:	CARLSBAD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	COSTCO WHOL
Entity Title:	Not reported
Affiliation Address:	999 LAKE DRIVE
Affiliation City:	ISSAQUAH
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Costco Wholesale Corp
Entity Title:	Not reported
Affiliation Address:	c/o Dwight Larsen, 845 Lake Drive
Affiliation City:	ISSAQUAH
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98027

COSTCO WHOLESALE #146 (Continued) **S113173364**

Affiliation Phone: (425) 313-8100,

HWTS:

Name:	COSTCO WHOLESALE #146
Address:	2800 INDEPENDENCE DR
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94550
EPA ID:	CAR000005470
Inactive Date:	Not reported
Create Date:	12/08/1995
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	3207 GREY HAWK COURT, SUITE 200
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	COSTCO WHOLESALE CORPORATION
Owner Address:	999 LAKE DRIVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ISSAQUAH, WA 980270000
Contact Name:	SHARON SAKNIT
Contact Address:	1045 LAKE DRIVE
Contact Address 2:	Not reported
City,State,Zip:	ISSAQUAH, WA 980278101
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	37.701536
Longitude:	-121.811971

NAICS:

EPA ID:	CAR000005470
Create Date:	2017-04-17 11:24:11.650
NAICS Code:	44611
NAICS Description:	Pharmacies and Drug Stores
Issued EPA ID Date:	1995-12-08 00:00:00
Inactive Date:	Not reported
Facility Name:	COSTCO WHOLESALE #146
Facility Address:	2800 INDEPENDENCE DR
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945500000

O49 **SUTTER SHARED LABORATORY (SSL)** **CERS HAZ WASTE** **S121783386**
North **2950 COLLIER CANYON RD** **CERS TANKS** **N/A**
1/8-1/4 **LIVERMORE, CA 94551** **CERS**
0.228 mi.
1206 ft. **Site 1 of 3 in cluster O**

Relative:
Higher

Actual:
443 ft.

CERS HAZ WASTE:

Name:	SUTTER SHARED LABORATORY (SSL)
Address:	2950 COLLIER CANYON RD
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	429454
CERS ID:	10750183

SUTTER SHARED LABORATORY (SSL) (Continued) **S121783386**

CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: SUTTER SHARED LABORATORY (SSL)
Address: 2950 COLLIER CANYON RD
City,State,Zip: LIVERMORE, CA 94551
Site ID: 429454
CERS ID: 10750183
CERS Description: Aboveground Petroleum Storage

CERS:
Name: SUTTER SHARED LABORATORY (SSL)
Address: 2950 COLLIER CANYON RD
City,State,Zip: LIVERMORE, CA 94551
Site ID: 429454
CERS ID: 10750183
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 429454
Site Name: Sutter Shared Laboratory (SSL)
Violation Date: 01-29-2019
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Not reported
Violation Division: Livermore-Pleasanton FD
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-06-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: APSA

SUTTER SHARED LABORATORY (SSL) (Continued) **S121783386**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-23-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-23-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-06-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

SUTTER SHARED LABORATORY (SSL) (Continued) **S121783386**

Enforcement Action:

Site ID:	429454
Site Name:	Sutter Shared Laboratory (SSL)
Site Address:	2950 COLLIER CANYON RD
Site City:	LIVERMORE
Site Zip:	94551
Enf Action Date:	02-23-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Livermore-Pleasanton FD
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	429454
Facility Name:	Sutter Shared Laboratory (SSL)
Env Int Type Code:	HMBP
Program ID:	10750183
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	37.708270
Longitude:	-121.805720

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Gerald Trujillo
Entity Title:	Not reported
Affiliation Address:	2950 Collier Canyon Road
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2950 Collier Canyon Road
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Sutter Health Shared Laboratory
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:	(925) 371-3801,
Affiliation Type Desc:	Document Preparer

SUTTER SHARED LABORATORY (SSL) (Continued) **S121783386**

Entity Name:	Gerald Trujillo
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:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Gerald Trujillo
Entity Title:	Manager - Supply Chain & Facilities
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Sutter Health Shared Laboratory
Entity Title:	Not reported
Affiliation Address:	2950 Collier Canyon Road
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94551
Affiliation Phone:	(925) 371-3801,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Sutter Shared Laboratory (SSL)
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:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,

MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

O50 **SUTTER SHARED CLINICAL LABORATORY** **CUPA Listings** **S120762545**
North **2950 COLLIER CANYON ROAD** **N/A**
1/8-1/4 **LIVERMORE, CA**
0.228 mi.
1206 ft. **Site 2 of 3 in cluster O**

Relative: **Higher**

Actual: **443 ft.**

CUPA LIVERMORE-PLEASANTON:

CERS ID:	10750183
Name:	SUTTER SHARED CLINICAL LABORATORY
Address:	2950 COLLIER CANYON ROAD
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/Hazardous Waste Generator/Aboveground Petroleum Storage Act Program/

O51 **MILLS PENINSULA HEALTH SVCS** **RCRA-LQG** **1010783700**
North **2950 COLLIER CANYON RD** **CAR000190272**
1/8-1/4 **LIVERMORE, CA 94551**
0.228 mi.
1206 ft. **Site 3 of 3 in cluster O**

Relative: **Higher**

Actual: **443 ft.**

RCRA Listings:

Date Form Received by Agency:	20080215
Handler Name:	MILLS PENINSULA HEALTH SVCS
Handler Address:	2950 COLLIER CANYON RD
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000190272
Contact Name:	ESTELLA DIOKNO
Contact Address:	2950 COLLIER CANYON RD
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	925-371-3823
Contact Fax:	Not reported
Contact Email:	DIOKNOE@SUTTERHEALTH.ORG
Contact Title:	Not reported
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:	2950 COLLIER CANYON RD
Mailing City,State,Zip:	LIVERMORE, CA 94551
Owner Name:	HAKAM MISSON
Owner Type:	Private
Operator Name:	ESTELLA DIOKNO
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

MILLS PENINSULA HEALTH SVCS (Continued) **1010783700**

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:	20080226
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:	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

MILLS PENINSULA HEALTH SVCS (Continued) **1010783700**

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: HAKAM MISSON	
Legal Status:	Private
Date Became Current:	20040601
Date Ended Current:	Not reported
Owner/Operator Address:	2952 COLLIER CANYON RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
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: ESTELLA DIOKNO	
Legal Status:	Private
Date Became Current:	20071217
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:	20080215
Handler Name: MILLS PENINSULA HEALTH SVCS	
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:	621511
NAICS Description:	MEDICAL LABORATORIES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

MILLS PENINSULA HEALTH SVCS (Continued) **1010783700**

Evaluation Action Summary:
Evaluations: No Evaluations Found

52
SSW
1/8-1/4
0.237 mi.
1249 ft.

Relative:
Lower

Actual:
407 ft.

BROOKS AUTOMATION INC
201 LINDBERGH AVE
LIVERMORE, CA 94551

CUPA Listings **S113137007**
HAZNET **N/A**
NPDES
CIWQS
CERS
HWTS

CUPA LIVERMORE-PLEASANTON:

CERS ID:	10455160
Name:	RH USA
Address:	201 LINDBERGH AVENUE
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/Hazardous Waste Generator/

HAZNET:

Name:	RH USA INC
Address:	201 LINDBERGH AVE
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
Contact:	DANA BARBATO/DIR OF HUMAN RESOURC
Telephone:	9252457944
Mailing Name:	Not reported
Mailing Address:	455 N CANYONS PARKWAY SUITE B
Year:	2013
Gepaid:	CAL000293601
TSD EPA ID:	NVD980895338
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.288
Year:	2013
Gepaid:	CAL000293601
TSD EPA ID:	NVD980895338
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:	0.25
Year:	2012
Gepaid:	CAL000293601
TSD EPA ID:	CAD980884183
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	0.138
Year:	2012
Gepaid:	CAL000293601
TSD EPA ID:	CAD980884183
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	-

BROOKS AUTOMATION INC (Continued) **S113137007**

Tons: 1.152

Year: 2012
Gepaid: CAL000293601
TSD EPA ID: NVD980895338
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.378

Year: 2012
Gepaid: CAL000293601
TSD EPA ID: NVD980895338
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: 0.235

Year: 2011
Gepaid: CAL000293601
TSD EPA ID: NVD980895338
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: 0.01

Year: 2011
Gepaid: CAL000293601
TSD EPA ID: NVD980895338
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01

Year: 2011
Gepaid: CAL000293601
TSD EPA ID: NVD980895338
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H121 - Neutralization Only
Tons: 0.0075

Year: 2011
Gepaid: CAL000293601
TSD EPA ID: CAD980884183
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.72

Click this hyperlink while viewing on your computer to access
23 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2013
Gen EPA ID: CAL000293601

BROOKS AUTOMATION INC (Continued) **S113137007**

Shipment Date:	20130131
Creation Date:	6/28/2013 22:15:05
Receipt Date:	20130215
Manifest ID:	000066775DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130131
Creation Date:	6/28/2013 22:15:05
Receipt Date:	20130215
Manifest ID:	000066775DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.288
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000293601

Shipment Date:	20120824
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20120924

BROOKS AUTOMATION INC (Continued) **S113137007**

Manifest ID:	000057258DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120824
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20120924
Manifest ID:	000057258DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
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:	20120517
Creation Date:	5/28/2013 22:15:05
Receipt Date:	20120601
Manifest ID:	000025089DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES

BROOKS AUTOMATION INC (Continued) **S113137007**

TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
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: 0.085
Waste Quantity: 170
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: 20120517
Creation Date: 5/28/2013 22:15:05
Receipt Date: 20120601
Manifest ID: 000025089DAT
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: F003
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.198
Waste Quantity: 55
Quantity Unit: G
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: 20120109
Creation Date: 6/4/2013 22:15:22
Receipt Date: Not reported
Manifest ID: 000031017DAT
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: CAD980884183
TSDF Alt Name: GENERAL ENV MGMT LLC DBA PSC ENV SERV
Waste Code Description: 352 - Other organic solids
RCRA Code: F003
Meth Code: - Not reported
Quantity Tons: 0.138
Waste Quantity: 276

BROOKS AUTOMATION INC (Continued) **S113137007**

Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120109
Creation Date:	6/4/2013 22:15:22
Receipt Date:	Not reported
Manifest ID:	000031017DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	CAD980884183
TSDF Alt Name:	GENERAL ENV MGMT LLC DBA PSC ENV SERV
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	- Not reported
Quantity Tons:	1.152
Waste Quantity:	320
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000293601
Shipment Date:	20111209
Creation Date:	12/3/2012 22:15:48
Receipt Date:	20111219
Manifest ID:	000048298DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD TRUCKING INC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H121 - Neutralization Only
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

BROOKS AUTOMATION INC (Continued) **S113137007**

Additional Code 5:	Not reported
Shipment Date:	20111209
Creation Date:	12/3/2012 22:15:48
Receipt Date:	20111219
Manifest ID:	000048298DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD TRUCKING INC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	181 - Other inorganic solid waste 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:	0.01
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:	20111209
Creation Date:	12/3/2012 22:15:48
Receipt Date:	20111219
Manifest ID:	000048298DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD TRUCKING INC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
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:	0.005
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:	20111209
Creation Date:	12/3/2012 22:15:48
Receipt Date:	20111219
Manifest ID:	000048298DAT
Trans EPA ID:	CAR000210617

BROOKS AUTOMATION INC (Continued) **S113137007**

Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD TRUCKING INC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20111209
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000048298DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD TRUCKING INC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
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:	0.004
Waste Quantity:	8
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:	20110921
Creation Date:	12/13/2011 18:30:13
Receipt Date:	20111010
Manifest ID:	000033756DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

BROOKS AUTOMATION INC (Continued) **S113137007**

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:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110921
Creation Date:	12/13/2011 18:30:13
Receipt Date:	20111010
Manifest ID:	000033756DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
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:	20110607
Creation Date:	7/25/2011 18:30:12
Receipt Date:	20110613
Manifest ID:	007454167JJK
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
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:	0.2
Waste Quantity:	400
Quantity Unit:	P

BROOKS AUTOMATION INC (Continued) **S113137007**

Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110607
Creation Date:	7/25/2011 18:30:12
Receipt Date:	20110613
Manifest ID:	007454167JJK
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
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:	20110222
Creation Date:	4/22/2011 18:30:53
Receipt Date:	20110309
Manifest ID:	007750781JJK
Trans EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
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:	1.7514
Waste Quantity:	420
Quantity Unit:	G
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

BROOKS AUTOMATION INC (Continued) **S113137007**

Additional Info:

Year:	2010
Gen EPA ID:	CAL000293601
Shipment Date:	20101027
Creation Date:	4/22/2011 18:30:37
Receipt Date:	20101104
Manifest ID:	007751070JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
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:	20101027
Creation Date:	4/22/2011 18:30:37
Receipt Date:	20101104
Manifest ID:	007751070JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100809
Creation Date:	Not reported
Receipt Date:	Not reported

BROOKS AUTOMATION INC (Continued) **S113137007**

Manifest ID:	007750177JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
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:	20100809
Creation Date:	11/3/2010 18:30:17
Receipt Date:	20100824
Manifest ID:	007750177JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
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:	20100809
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007750177JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES

BROOKS AUTOMATION INC (Continued) **S113137007**

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:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100809
Creation Date:	11/3/2010 18:30:17
Receipt Date:	20100824
Manifest ID:	007750177JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100809
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007750177JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025

BROOKS AUTOMATION INC (Continued) **S113137007**

Waste Quantity:	50
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:	20100809
Creation Date:	11/3/2010 18:30:17
Receipt Date:	20100824
Manifest ID:	007750177JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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
Shipment Date:	20100809
Creation Date:	11/3/2010 18:30:17
Receipt Date:	20100824
Manifest ID:	007750177JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
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:	0.005
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

BROOKS AUTOMATION INC (Continued) **S113137007**

Shipment Date:	20100625
Creation Date:	1/19/2011 18:30:07
Receipt Date:	20100630
Manifest ID:	006127397JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
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:	CAL000293601

Shipment Date:	20091228
Creation Date:	7/20/2010 18:30:08
Receipt Date:	20100106
Manifest ID:	006435328JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091228
Creation Date:	7/20/2010 18:30:08
Receipt Date:	20100106

BROOKS AUTOMATION INC (Continued) **S113137007**

Manifest ID:	006435328JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.36
Waste Quantity:	100
Quantity Unit:	G
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:	20090828
Creation Date:	3/5/2010 18:30:17
Receipt Date:	20090903
Manifest ID:	006121370JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
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:	20090828
Creation Date:	3/5/2010 18:30:17
Receipt Date:	20090903
Manifest ID:	006121370JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC

BROOKS AUTOMATION INC (Continued) **S113137007**

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:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090520
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090527
Manifest ID:	005042592JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
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:	20090520
Creation Date:	10/13/2009 18:30:10
Receipt Date:	20090527
Manifest ID:	005042592JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	0.075

BROOKS AUTOMATION INC (Continued) **S113137007**

Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090206
Creation Date:	6/16/2009 18:30:09
Receipt Date:	20090212
Manifest ID:	005522436JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
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:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090206
Creation Date:	6/16/2009 18:30:09
Receipt Date:	20090212
Manifest ID:	005522436JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

BROOKS AUTOMATION INC (Continued) **S113137007**

Additional Info:

Year:	2008
Gen EPA ID:	CAL000293601
Shipment Date:	20081027
Creation Date:	3/9/2009 18:30:46
Receipt Date:	20081031
Manifest ID:	004950471JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081027
Creation Date:	3/9/2009 18:30:46
Receipt Date:	20081031
Manifest ID:	004950471JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
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:	20080730
Creation Date:	12/11/2008 18:30:30
Receipt Date:	20080807

BROOKS AUTOMATION INC (Continued) **S113137007**

Manifest ID:	004947882JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
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:	20080730
Creation Date:	12/11/2008 18:30:30
Receipt Date:	20080807
Manifest ID:	004947882JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
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:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080522
Creation Date:	10/10/2008 18:30:08
Receipt Date:	20080528
Manifest ID:	003897010JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI

BROOKS AUTOMATION INC (Continued) **S113137007**

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:	- Not reported
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:	20080522
Creation Date:	10/10/2008 18:30:08
Receipt Date:	20080528
Manifest ID:	003897010JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
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:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080522
Creation Date:	10/10/2008 18:30:08
Receipt Date:	20080528
Manifest ID:	003897010JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	50

BROOKS AUTOMATION INC (Continued) **S113137007**

Quantity Unit:	G
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:	20080522
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	003897010JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
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:	0.04
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:	20080522
Creation Date:	10/10/2008 18:30:08
Receipt Date:	20080528
Manifest ID:	003897010JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	- Not reported
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:	20080214

BROOKS AUTOMATION INC (Continued) **S113137007**

Creation Date:	7/22/2008 18:30:37
Receipt Date:	20080225
Manifest ID:	003893788JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
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:	D001
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:	CAL000293601
Shipment Date:	20071114
Creation Date:	4/22/2008 18:30:17
Receipt Date:	20071121
Manifest ID:	003381554JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
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:	20071114
Creation Date:	4/22/2008 18:30:17
Receipt Date:	20071121
Manifest ID:	003381554JJK

BROOKS AUTOMATION INC (Continued) **S113137007**

Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
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:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070910
Creation Date:	2/5/2008 18:30:13
Receipt Date:	20070918
Manifest ID:	003374629JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
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:	20070910
Creation Date:	2/5/2008 18:30:13
Receipt Date:	20070918
Manifest ID:	003374629JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported

BROOKS AUTOMATION INC (Continued) **S113137007**

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:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070427
Creation Date:	12/20/2007 18:30:14
Receipt Date:	20070508
Manifest ID:	001948244JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.44
Waste Quantity:	400
Quantity Unit:	G
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:	20070427
Creation Date:	12/20/2007 18:30:14
Receipt Date:	20070508
Manifest ID:	001948244JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
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:	0.0475
Waste Quantity:	95

BROOKS AUTOMATION INC (Continued) **S113137007**

Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070427
Creation Date:	12/20/2007 18:30:14
Receipt Date:	20070508
Manifest ID:	001948244JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
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:	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
Shipment Date:	20070427
Creation Date:	12/20/2007 18:30:14
Receipt Date:	20070508
Manifest ID:	001948244JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	30
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

BROOKS AUTOMATION INC (Continued) **S113137007**

Additional Info:

Year:	2006
Gen EPA ID:	CAL000293601
Shipment Date:	20061128
Creation Date:	7/13/2007 18:30:28
Receipt Date:	20061205
Manifest ID:	000938232JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
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:	20061128
Creation Date:	7/13/2007 18:30:28
Receipt Date:	20061205
Manifest ID:	000938232JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
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:	0.055
Waste Quantity:	110
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060901
Creation Date:	10/25/2006 18:31:09
Receipt Date:	20060913

BROOKS AUTOMATION INC (Continued) **S113137007**

Manifest ID:	25298587
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
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:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.06
Waste Quantity:	120
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:	20060901
Creation Date:	10/25/2006 18:31:09
Receipt Date:	20060913
Manifest ID:	25298587
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
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:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
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:	20060412
Creation Date:	7/29/2006 18:31:14
Receipt Date:	20060421
Manifest ID:	25133963
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
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

BROOKS AUTOMATION INC (Continued) **S113137007**

Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.06
Waste Quantity:	120
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:	20060412
Creation Date:	7/29/2006 18:31:14
Receipt Date:	20060421
Manifest ID:	25133963
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
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:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
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

Additional Info:

Year:	2005
Gen EPA ID:	CAL000293601
Shipment Date:	20051212
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051216
Manifest ID:	24785249
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
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:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.065
Waste Quantity:	130

BROOKS AUTOMATION INC (Continued) **S113137007**

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:	20051212
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051216
Manifest ID:	24785249
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
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:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
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:	20050919
Creation Date:	1/4/2006 18:30:25
Receipt Date:	20050927
Manifest ID:	24487553
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS
TSDF EPA ID:	WAD991281767
Trans Name:	BURLINGTON ENVIRONMENTAL INC KENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	R01 - Recycler
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
Shipment Date:	20050909
Creation Date:	12/16/2005 18:31:03

BROOKS AUTOMATION INC (Continued) **S113137007**

Receipt Date:	20050916
Manifest ID:	24209968
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.18
Waste Quantity:	50
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:	20050909
Creation Date:	12/16/2005 18:31:03
Receipt Date:	20050916
Manifest ID:	24209968
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
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:	D80 - Disposal, Land Fill
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:	20050614
Creation Date:	10/13/2005 18:31:00
Receipt Date:	20050629
Manifest ID:	24329167
Trans EPA ID:	CAR000052803
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORTATION & REMEDIATION
TSDF EPA ID:	WAD991281767
Trans Name:	BURLINGTON ENVIRONMENTAL INC KENT
TSDF Alt EPA ID:	Not reported

BROOKS AUTOMATION INC (Continued) **S113137007**

TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.144
Waste Quantity:	40
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:	20050614
Creation Date:	10/13/2005 18:31:00
Receipt Date:	20050629
Manifest ID:	24329167
Trans EPA ID:	CAR000052803
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORTATION & REMEDIATION
TSDF EPA ID:	WAD991281767
Trans Name:	BURLINGTON ENVIRONMENTAL INC KENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.175
Waste Quantity:	350
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

NPDES:

Name:	BROOKS AUTOMATION INC
Address:	201 LINDBERGH AVE
City,State,Zip:	LIVERMORE, CA 94551
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	543931
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 01NEC010359
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/30/2021
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	201 Lindbergh Ave
Discharge Name:	Brooks Automation Inc

BROOKS AUTOMATION INC (Continued) **S113137007**

Discharge City:	Livermore
Discharge State:	California
Discharge Zip:	94551
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
Name:	BROOKS AUTOMATION INC
Address:	201 LINDBERGH AVE
City,State,Zip:	LIVERMORE, CA 94551
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 01NEC010359
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:	11/30/2021
Operator Name:	Brooks Automation Inc
Operator Address:	201 Lindbergh Ave
Operator City:	Livermore
Operator State:	California
Operator Zip:	94551
Name:	RH USA INC
Address:	201 LINDBERGH AVE
City,State,Zip:	LIVERMORE, CA 94551
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 01I019230
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

BROOKS AUTOMATION INC (Continued) **S113137007**

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:	Terminated
Status Date:	08/07/2006
Operator Name:	RH USA Inc
Operator Address:	201 Lindbergh Ave
Operator City:	Livermore
Operator State:	California
Operator Zip:	94551

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	276865
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 01I019230
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:	12/22/2004
Status:	Terminated
Status Date:	08/07/2006
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Sandra Onsager
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	RH USA Inc
Operator Address:	201 Lindbergh Ave
Operator City:	Livermore
Operator State:	California
Operator Zip:	94551
Operator Contact:	Brian Guscott
Operator Contact Title:	Vp/ Gm
Operator Contact Phone:	925-245-7900
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported

BROOKS AUTOMATION INC (Continued) **S113137007**

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:	925-245-7900
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:	San Francisco Bay
Certifier:	Brian Guscott
Certifier Title:	Vp/ Gm
Certification Date:	16-DEC-04
Primary Sic:	3845-Electromedical and Electrotherapeutic Apparatus
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RH USA INC
Address:	201 LINDBERGH AVE
City,State,Zip:	LIVERMORE, CA 94551
Agency:	RH USA Inc
Agency Address:	201 Lindbergh Ave, Livermore, CA 94551
Place/Project Type:	Industrial - Electromedical and Electrotherapeutic Apparatus
SIC/NAICS:	3845
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 01I019230
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/22/2004
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported

BROOKS AUTOMATION INC (Continued) **S113137007**

Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 37.69764
Longitude: -121.80945

Name: BROOKS AUTOMATION INC
Address: 201 LINDBERGH AVE
City,State,Zip: LIVERMORE, CA 94551
Agency: Brooks Automation Inc
Agency Address: 201 Lindbergh Ave, Livermore, CA 94551
Place/Project Type: Industrial - Special Industry Machinery, NEC
SIC/NAICS: 3559
Region: 2
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 01NEC010359
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 11/30/2021
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: 37.69816
Longitude: -121.81017

CERS:
Name: BROOKS AUTOMATION INC
Address: 201 LINDBERGH AVE
City,State,Zip: LIVERMORE, CA 94551
Site ID: 597015
CERS ID: 900046
CERS Description: Industrial Facility Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Brooks Automation Inc
Entity Title: Operator
Affiliation Address: 201 Lindbergh Ave
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: ,

HWTS:
Name: RH USA INC
Address: 201 LINDBERGH AVE
Address 2: Not reported
City,State,Zip: LIVERMORE, CA 94551

BROOKS AUTOMATION INC (Continued) **S113137007**

EPA ID:	CAL000293601
Inactive Date:	01/07/2013
Create Date:	04/26/2005
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	455 N CANYONS PARKWAY SUITE B
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LIVERMORE, CA 945517667
Owner Name:	RH ELECTRONICS LTD
Owner Address:	PO BOX 740
Owner Address 2:	Not reported
Owner City,State,Zip:	NAZARETH ISRAEL, CA 17000
Contact Name:	DANA BARBATO/DIR OF HUMAN RESOURC
Contact Address:	201 LINDBERGH AVE
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 945517667
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	37.698303
Longitude:	-121.809859

NAICS:

EPA ID:	CAL000293601
Create Date:	2005-04-26 14:31:01.330
NAICS Code:	334517
NAICS Description:	Irradiation Apparatus Manufacturing
Issued EPA ID Date:	2005-04-26 14:31:01.31700
Inactive Date:	2013-01-07 00:00:00
Facility Name:	RH USA INC
Facility Address:	201 LINDBERGH AVE
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94551

P53 **PEPTIDOGENIC RESEARCH AND CO** **RCRA-SQG** **1001481055**
SSW **151 LINDBERGH AVE STE G** **FINDS** **CAR000049817**
1/8-1/4 **LIVERMORE, CA 94551** **ECHO**
0.243 mi.
1281 ft. **Site 1 of 4 in cluster P**

Relative: **Lower**
Actual: **404 ft.**

RCRA Listings:

Date Form Received by Agency:	19990308
Handler Name:	PEPTIDOGENIC RESEARCH AND CO
Handler Address:	151 LINDBERGH AVE STE G
Handler City,State,Zip:	LIVERMORE, CA 94550
EPA ID:	CAR000049817
Contact Name:	TRUNG PHAN
Contact Address:	151 LINDBERGH AVE STE G
Contact City,State,Zip:	LIVERMORE, CA 94550
Contact Telephone:	925-371-1070
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09

PEPTIDOGENIC RESEARCH AND CO (Continued) **1001481055**

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:		151 LINDBERGH AVE STE G
Mailing City,State,Zip:		LIVERMORE, CA 94550
Owner Name:	DAE YOUNG KIM	
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:		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

PEPTIDOGENIC RESEARCH AND CO (Continued) **1001481055**

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:		20021007
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:		No

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:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D022
Waste Description:	CHLOROFORM
Waste Code:	D038
Waste Description:	PYRIDINE
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:	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:

PEPTIDOGENIC RESEARCH AND CO (Continued) **1001481055**

Owner/Operator Indicator: Owner
Owner/Operator Name: DAE YOUNG KIM
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3327 HAMPSTEAD CT
Owner/Operator City,State,Zip: LIVERMORE, CA 94550
Owner/Operator Telephone: 925-373-3903
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990308
Handler Name: PEPTIDOGENIC RESEARCH AND CO
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 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: 110002926816

Click Here for FRS Facility Detail Report:

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

PEPTIDOGENIC RESEARCH AND CO (Continued) **1001481055**

ECHO:
- Envid: 1001481055
- Registry ID: 110002926816
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002926816
- Name: PEPTIDOGENIC RESEARCH AND CO
- Address: 151 LINDBERGH AVE STE G
- City,State,Zip: LIVERMORE, CA 94551

P54 **TESSERACT HQ** **CERS HAZ WASTE** **S124437769**
SSW **151 LINDBERGH AVE STE C** **CERS** **N/A**
1/8-1/4 **LIVERMORE, CA 94551**
0.243 mi.
1281 ft. **Site 2 of 4 in cluster P**

Relative:
Lower

Actual:
404 ft.

CERS HAZ WASTE:
- Name: TESSERACT HQ
- Address: 151 LINDBERGH AVE STE C
- City,State,Zip: LIVERMORE, CA 94551
- Site ID: 521659
- CERS ID: 10790392
- CERS Description: Hazardous Waste Generator

CERS:
- Name: TESSERACT HQ
- Address: 151 LINDBERGH AVE STE C
- City,State,Zip: LIVERMORE, CA 94551
- Site ID: 521659
- CERS ID: 10790392
- CERS Description: Chemical Storage Facilities

Violations:
- Site ID: 521659
- Site Name: Tesseract HQ
- Violation Date: 03-07-2019
- Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
- Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
- Violation Notes: Returned to compliance on 04/17/2019.
- Violation Division: Livermore-Pleasanton FD
- Violation Program: HW
- Violation Source: CERS,

- Site ID: 521659
- Site Name: Tesseract HQ
- Violation Date: 03-07-2019
- 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 04/17/2019.
- Violation Division: Livermore-Pleasanton FD
- Violation Program: HMRRP
- Violation Source: CERS,

TESSERACT HQ (Continued) **S124437769**

Site ID: 521659
Site Name: Tesseract HQ
Violation Date: 03-07-2019
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", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/17/2019.
Violation Division: Livermore-Pleasanton FD
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-23-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

TESSERACT HQ (Continued) **S124437769**

Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Jeff Gibson
Entity Title: COO
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Erik Franks
Entity Title: Not reported
Affiliation Address: 151 Lindbergh Ave, STE C
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94551
Affiliation Phone: (661) 390-1060,

Affiliation Type Desc: Operator
Entity Name: Jeff Gibson
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: (802) 377-5366,

Affiliation Type Desc: Environmental Contact
Entity Name: Jeff Gibson
Entity Title: Not reported
Affiliation Address: 151 Lindbergh Ave Ste C
Affiliation City: Livermore
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 151 Lindbergh Ave, STE C
Affiliation City: LIVERMORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94551
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Livermore-Pleasanton FD

TESSERACT HQ (Continued) **S124437769**

Entity Title:	Not reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Tesseract HQ
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:	,

P55 **TESSERACT SPACE INC** **RCRA NonGen / NLR** **1024874127**
SSW **151 LINDBERGH AVE STE C** **CAL000442782**
1/8-1/4 **LIVERMORE, CA 94551**
0.243 mi.
1281 ft. **Site 3 of 4 in cluster P**

Relative: **Lower**

Actual: **404 ft.**

RCRA Listings:

Date Form Received by Agency:		20190128
Handler Name:	TESSERACT SPACE INC	
Handler Address:		151 LINDBERGH AVE STE C
Handler City,State,Zip:		LIVERMORE, CA 94551
EPA ID:		CAL000442782
Contact Name:		DEVIN KEES
Contact Address:		151 LINDBERGH AVE STE C
Contact City,State,Zip:		LIVERMORE, CA 94551
Contact Telephone:		260-467-9430
Contact Fax:		Not reported
Contact Email:		DKEES@TESSERACT-SPACE.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:		151 LINDBERGH AVE STE C
Mailing City,State,Zip:		LIVERMORE, CA 94551
Owner Name:	TESSERACT SPACE INC	
Owner Type:		Other
Operator Name:	DEVIN KEES	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

TESSERACT SPACE INC (Continued) **1024874127**

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
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:	20190222
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: TESSERACT SPACE INC	
Legal Status:	Other
Date Became Current:	Not reported

TESSERACT SPACE INC (Continued) **1024874127**

Date Ended Current:	Not reported
Owner/Operator Address:	151 LINDBERGH AVE STE C
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	661-390-1060
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: DEVIN KEES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	151 LINDBERGH AVE STE C
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	260-467-9430
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190128
Handler Name: TESSERACT SPACE 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:	541713
NAICS Description:	RESEARCH AND DEVELOPMENT IN NANOTECHNOLOGY

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

P56 **BENCHMARK SPACE SYSTEMS, INC.** **CUPA Listings** **S121516498**
SSW **151 LINDBERGH AVENUE SUITE C** **N/A**
1/8-1/4 **LIVERMORE, CA**
0.243 mi.
1281 ft. **Site 4 of 4 in cluster P**

Relative: **Lower**
Actual: **404 ft.**

CUPA LIVERMORE-PLEASANTON:

CERS ID:	10876576
Name:	BENCHMARK SPACE SYSTEMS, INC.
Address:	151 LINDBERGH AVENUE SUITE C
City,State,Zip:	LIVERMORE, CA

BENCHMARK SPACE SYSTEMS, INC. (Continued) **S121516498**

Status: Active
Permit List: Hazardous Materials Business Plan/Hazardous Waste Generator/

57
NNE
1/4-1/2
0.328 mi.
1732 ft.

Relative: Higher

Actual: 440 ft.

CHABOT COLLEGE
3033 COLLIER CANYON RD
LIVERMORE, CA 94550

LUST **S105024479**
Alameda County CS **N/A**
SWEEPS UST
Cortese
HIST CORTESE
HAZNET
CERS
HWTS

LUST:
Name: CHABOT COLLEGE
Address: 3033 COLLIER CANYON
City,State,Zip: LIVERMORE, CA 94550
Lead Agency: ALAMEDA COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100815
Global Id: T0600100815
Latitude: 37.7072263
Longitude: -121.8051123
Status: Completed - Case Closed
Status Date: 02/18/1994
Case Worker: Not reported
RB Case Number: 01-0882
Local Agency: Not reported
File Location: All Files are on GeoTracker or in the Local Agency Database
Local Case Number: RO0000542
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0600100815
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: T0600100815
Action Type: REMEDIATION
Date: 09/09/9999
Action: Excavation

Global Id: T0600100815
Action Type: Other
Date: 08/27/1991
Action: Leak Reported

LUST:
Global Id: T0600100815
Status: Open - Case Begin Date

CHABOT COLLEGE (Continued) **S105024479**

Status Date: 08/27/1991

Global Id: T0600100815
Status: Completed - Case Closed
Status Date: 02/18/1994

LUST REG 2:
Region: 2
Facility Id: 01-0882
Facility Status: Case Closed
Case Number: 1955
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 2/7/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 3/17/1992
Preliminary Site Assesment Began: 9/9/1992
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

Alameda County CS:
Name: CHABOT COLLEGE
Address: 3033 COLLIER CANYON RD
City,State,Zip: LIVERMORE, CA 94550
Status: Case Closed
Record Id: RO0000542
PE: 5602
Facility Status: Case Closed
Latitude: 37.709889357
Longitude: -121.80482434

SWEEPS UST:
Name: LAS POSITAS COMMUNITY COLLEGE
Address: 3033 COLLIER CANYON RD
City: LIVERMORE
Status: Not reported
Comp Number: 36953
Number: Not reported
Board Of Equalization: 44-000382
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-000-036953-000001
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 4

CHABOT COLLEGE (Continued) **S105024479**

Name:	LAS POSITAS COMMUNITY COLLEGE
Address:	3033 COLLIER CANYON RD
City:	LIVERMORE
Status:	Not reported
Comp Number:	36953
Number:	Not reported
Board Of Equalization:	44-000382
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-000-036953-000002
Tank Status:	Not reported
Capacity:	25000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	LAS POSITAS COMMUNITY COLLEGE
Address:	3033 COLLIER CANYON RD
City:	LIVERMORE
Status:	Not reported
Comp Number:	36953
Number:	Not reported
Board Of Equalization:	44-000382
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-000-036953-000003
Tank Status:	Not reported
Capacity:	600
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	LAS POSITAS COMMUNITY COLLEGE
Address:	3033 COLLIER CANYON RD
City:	LIVERMORE
Status:	Not reported
Comp Number:	36953
Number:	Not reported
Board Of Equalization:	44-000382
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-000-036953-000004
Tank Status:	Not reported
Capacity:	300
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE

CHABOT COLLEGE (Continued) **S105024479**

Content: WASTE OIL
Number Of Tanks: Not reported

CORTESE:
Name: CHABOT COLLEGE
Address: 3033 COLLIER CANYON
City,State,Zip: LIVERMORE, CA 94550
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0600100815
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: CHABOT COLLEGE
edr_fadd1: 3033 COLLIER CNYN
City,State,Zip: LIVERMORE, CA 94550
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0882

HAZNET:
Name: LAS POSITAS COMMUNITY COLLEGE
Address: 3033 COLLIER CANYON RD
Address 2: Not reported
City,State,Zip: LIVERMORE, CA 945519797
Contact: BETTY CASTANO
Telephone: 9254241765
Mailing Name: Not reported
Mailing Address: 3000 CAMPUS HILL DRIVE

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: NVD980895338
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.762

CHABOT COLLEGE (Continued) **S105024479**

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: NVD980895338
CA Waste Code: 121 - Alkaline solution (pH >= 12.5) with metals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.18

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: CAD981402522
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.2502

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: NVD980895338
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0125

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: NVD980895338
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H121 - Neutralization Only
Tons: 0.007

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: NVD980895338
CA Waste Code: 121 - Alkaline solution (pH >= 12.5) with metals
Disposal Method: H121 - Neutralization Only
Tons: 0.024

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: NVD980895338
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: H121 - Neutralization Only
Tons: 0.197

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: NVD980895338
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: 0.152

Year: 2021
Gepaid: CAD982487068
TSD EPA ID: NVD980895338
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

CHABOT COLLEGE (Continued) **S105024479**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2675
Year:	2021
Gepaid:	CAD982487068
TSD EPA ID:	NVD980895338
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0915

Click this hyperlink while viewing on your computer to access
153 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year:	2020
EM Manifest ID:	b7519538-46d1-473f-a580-e4cdb23b09e4
Shipment Date:	6/24/2020
Receipt Date:	6/30/2020
Manifest Number:	019680192JJK
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE
Address:	3033 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94550
Telephone:	707-372-7396
Contact:	ENVIRONMENTAL MANAGER
Contact Telephone:	415-786-6610
Transporter 1 EPA ID:	CAD982433575
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982433575
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD981402522
TSDF Name:	COMMODITY RESOURCE AND ENVIRONMENT
TSDF Address 1:	11847 UNITED ST
TSDF Address 2:	Not reported
TSDF City:	MOJAVE
TSDF Zip:	93501
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	b7519538-46d1-473f-a580-e4cdb23b09e4
Generator EPA ID:	CAD982487068
Shipment Date:	2020-06-24
Manifest Number:	019680192JJK
Line Number:	1
Method Code:	H010
Quantity Tons:	0.12510
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
Federal Code:	D011

CHABOT COLLEGE (Continued) **S105024479**

State:

Year:	2020
EM Manifest ID:	b7519538-46d1-473f-a580-e4cdb23b09e4
Generator EPA ID:	CAD982487068
Shipment Date:	2020-06-24
Manifest Number:	019680192JJK
Line Number:	1
Method Code:	H010
Quantity Tons:	0.12510
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	541

Detail Two:

Year:	2019
EM Manifest ID:	665798
Shipment Date:	9/26/2018
Receipt Date:	9/27/2018
Manifest Number:	019679053JJK
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COMMUNITY COLLEGE
Address:	3033 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9797
Telephone:	707-372-7396
Contact:	Not reported
Contact Telephone:	925-485-5253
Transporter 1 EPA ID:	CAD982433575
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982433575
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD981402522
TSDF Name:	COMMODITY RESOURCE AND ENVIRONMENT
TSDF Address 1:	11847 UNITED ST
TSDF Address 2:	Not reported
TSDF City:	MOJAVE
TSDF Zip:	93501
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	665798
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-26
Manifest Number:	019679053JJK
Line Number:	1
Method Code:	H010
Quantity Tons:	0.12510
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

CHABOT COLLEGE (Continued) **S105024479**

Quantity Type: Gallons
Federal Code: D011

State:
Year: 2019
EM Manifest ID: 665798
Generator EPA ID: CAD982487068
Shipment Date: 2018-09-26
Manifest Number: 019679053JJK
Line Number: 1
Method Code: H010
Quantity Tons: 0.12510
Quantity Waste: 30.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 541

Year: 2019
EM Manifest ID: 6c65f5d2-3adf-4fde-99a8-7dd3adf14267
Shipment Date: 9/20/2018
Receipt Date: 10/4/2018
Manifest Number: 000229374DAT
Generator EPA ID: CAD982487068
Name: LAS POSITAS COLLEGE
Address: 3033 COLLIER CANYON RD
Address 2: Not reported
City: LIVERMORE
Zip: 94551
Telephone: 800-535-5053
Contact: Not reported
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC
TSDF Address 1: 425 Isis Ave.
TSDF Address 2: Not reported
TSDF City: Inglewood
TSDF Zip: 90301
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 6c65f5d2-3adf-4fde-99a8-7dd3adf14267
Generator EPA ID: CAD982487068
Shipment Date: 2018-09-20
Manifest Number: 000229374DAT
Line Number: 1
Method Code: H061
Quantity Tons: 0.05004
Quantity Waste: 12.000000
Quantity Unit: G

CHABOT COLLEGE (Continued) **S105024479**

Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
Federal Code: D001

Year: 2019
EM Manifest ID: 6c65f5d2-3adf-4fde-99a8-7dd3adf14267
Generator EPA ID: CAD982487068
Shipment Date: 2018-09-20
Manifest Number: 000229374DAT
Line Number: 1
Method Code: H061
Quantity Tons: 0.05004
Quantity Waste: 12.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
Federal Code: F003

State:
Year: 2019
EM Manifest ID: 6c65f5d2-3adf-4fde-99a8-7dd3adf14267
Generator EPA ID: CAD982487068
Shipment Date: 2018-09-20
Manifest Number: 000229374DAT
Line Number: 1
Method Code: H061
Quantity Tons: 0.05004
Quantity Waste: 12.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 551

Year: 2019
EM Manifest ID: 6c65f5d2-3adf-4fde-99a8-7dd3adf14267
Generator EPA ID: CAD982487068
Shipment Date: 2018-09-20
Manifest Number: 000229374DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.06255
Quantity Waste: 15.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 551

Year: 2019
EM Manifest ID: 303698
Shipment Date: 9/20/2018
Receipt Date: 11/7/2018
Manifest Number: 000229373DAT

CHABOT COLLEGE (Continued) **S105024479**

Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE
Address:	3033 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095039998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	1
Method Code:	H121
Quantity Tons:	0.66250
Quantity Waste:	1325.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	1
Method Code:	H121
Quantity Tons:	0.66250
Quantity Waste:	1325.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D011

Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	2

CHABOT COLLEGE (Continued) **S105024479**

Method Code:	H141
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D005
Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D006
Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D008
Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068

CHABOT COLLEGE (Continued) **S105024479**

Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010

State:

Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	1
Method Code:	H121
Quantity Tons:	0.66250
Quantity Waste:	1325.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	792

Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	121

Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.28000
Quantity Waste:	560.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

CHABOT COLLEGE (Continued) **S105024479**

Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	551

Year:	2019
EM Manifest ID:	303698
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-20
Manifest Number:	000229373DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	361477
Shipment Date:	3/7/2019
Receipt Date:	4/1/2019
Manifest Number:	000231877DAT
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE
Address:	3033 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998DUP
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Federal:

Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	1
Method Code:	H121
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.78750
Quantity Waste:	1575.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.78750
Quantity Waste:	1575.000000
Quantity Unit:	P
Number of Containers:	3

CHABOT COLLEGE (Continued) **S105024479**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D011
Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	5
Method Code:	H100
Quantity Tons:	0.51250
Quantity Waste:	1025.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D005
Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	5
Method Code:	H100
Quantity Tons:	0.51250
Quantity Waste:	1025.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	5
Method Code:	H100
Quantity Tons:	0.51250
Quantity Waste:	1025.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D008
Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	5
Method Code:	H100
Quantity Tons:	0.51250

CHABOT COLLEGE (Continued) **S105024479**

Quantity Waste:	1025.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	5
Method Code:	H100
Quantity Tons:	0.51250
Quantity Waste:	1025.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D011
Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	8
Method Code:	H141
Quantity Tons:	0.11250
Quantity Waste:	225.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	F003
Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	9
Method Code:	H141
Quantity Tons:	0.08000
Quantity Waste:	160.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT

CHABOT COLLEGE (Continued) **S105024479**

Line Number: 9
Method Code: H141
Quantity Tons: 0.08000
Quantity Waste: 160.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 361477
Generator EPA ID: CAD982487068
Shipment Date: 2019-03-07
Manifest Number: 000231877DAT
Line Number: 9
Method Code: H141
Quantity Tons: 0.08000
Quantity Waste: 160.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

State:
Year: 2019
EM Manifest ID: 361477
Generator EPA ID: CAD982487068
Shipment Date: 2019-03-07
Manifest Number: 000231877DAT
Line Number: 1
Method Code: H121
Quantity Tons: 0.00900
Quantity Waste: 18.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 141

Year: 2019
EM Manifest ID: 361477
Generator EPA ID: CAD982487068
Shipment Date: 2019-03-07
Manifest Number: 000231877DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 131

Year: 2019

CHABOT COLLEGE (Continued) **S105024479**

EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.78750
Quantity Waste:	1575.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	792

Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	5
Method Code:	H100
Quantity Tons:	0.51250
Quantity Waste:	1025.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	6
Method Code:	H141
Quantity Tons:	0.08000
Quantity Waste:	160.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds

CHABOT COLLEGE (Continued) **S105024479**

State Code: 352

Year: 2019
EM Manifest ID: 361477
Generator EPA ID: CAD982487068
Shipment Date: 2019-03-07
Manifest Number: 000231877DAT
Line Number: 7
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 551

Year: 2019
EM Manifest ID: 361477
Generator EPA ID: CAD982487068
Shipment Date: 2019-03-07
Manifest Number: 000231877DAT
Line Number: 8
Method Code: H141
Quantity Tons: 0.11250
Quantity Waste: 225.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 551

Year: 2019
EM Manifest ID: 361477
Generator EPA ID: CAD982487068
Shipment Date: 2019-03-07
Manifest Number: 000231877DAT
Line Number: 9
Method Code: H141
Quantity Tons: 0.08000
Quantity Waste: 160.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 361477
Generator EPA ID: CAD982487068
Shipment Date: 2019-03-07
Manifest Number: 000231877DAT
Line Number: 10
Method Code: H141
Quantity Tons: 0.21250
Quantity Waste: 425.000000
Quantity Unit: P

CHABOT COLLEGE (Continued) **S105024479**

Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2019
EM Manifest ID:	361477
Generator EPA ID:	CAD982487068
Shipment Date:	2019-03-07
Manifest Number:	000231877DAT
Line Number:	11
Method Code:	H141
Quantity Tons:	0.07750
Quantity Waste:	155.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	291

Year:	2019
EM Manifest ID:	303783
Shipment Date:	1/4/2019
Receipt Date:	2/4/2019
Manifest Number:	000231408DAT
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE
Address:	3033 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	303783
Generator EPA ID:	CAD982487068
Shipment Date:	2019-01-04
Manifest Number:	000231408DAT
Line Number:	1
Method Code:	H121
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P

CHABOT COLLEGE (Continued) **S105024479**

Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2019
EM Manifest ID: 303783
Generator EPA ID: CAD982487068
Shipment Date: 2019-01-04
Manifest Number: 000231408DAT
Line Number: 1
Method Code: H121
Quantity Tons: 0.02000
Quantity Waste: 40.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 303783
Generator EPA ID: CAD982487068
Shipment Date: 2019-01-04
Manifest Number: 000231408DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.13250
Quantity Waste: 265.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 303783
Generator EPA ID: CAD982487068
Shipment Date: 2019-01-04
Manifest Number: 000231408DAT
Line Number: 3
Method Code: H141
Quantity Tons: 0.09750
Quantity Waste: 195.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2019
EM Manifest ID: 55760
Shipment Date: 1/23/2019
Receipt Date: 1/30/2019
Manifest Number: 019679052JJK

CHABOT COLLEGE (Continued) **S105024479**

Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COMMUNITY COLLEGE
Address:	3033 COLLIER CANYON RD
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551-9797
Telephone:	707-372-7396
Contact:	Not reported
Contact Telephone:	925-485-5253
Transporter 1 EPA ID:	CAD982433575
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD981402522
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD981402522
TSDF Name:	COMMODITY RESOURCE AND ENVIRONMENT
TSDF Address 1:	11847 UNITED ST
TSDF Address 2:	Not reported
TSDF City:	MOJAVE
TSDF Zip:	93501
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	55760
Generator EPA ID:	CAD982487068
Shipment Date:	2019-01-23
Manifest Number:	019679052JJK
Line Number:	1
Method Code:	H010
Quantity Tons:	0.12510
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
Federal Code:	D011

State:

Year:	2019
EM Manifest ID:	55760
Generator EPA ID:	CAD982487068
Shipment Date:	2019-01-23
Manifest Number:	019679052JJK
Line Number:	1
Method Code:	H010
Quantity Tons:	0.12510
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	541

Detail Two:

Year:	2018
EM Manifest ID:	129442

CHABOT COLLEGE (Continued) **S105024479**

Shipment Date:	9/19/2018
Receipt Date:	9/24/2018
Manifest Number:	012661614FLE
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE SITE
Address:	3000 CAMPUS HILL DRIVE
Address 2:	Not reported
City:	LIVERMORE
Zip:	94551
Telephone:	800-483-3718
Contact:	William Gross
Contact Telephone:	707-999-8381
Transporter 1 EPA ID:	MAD039322250
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD059494310
TSDF Name:	Clean Harbors San Jose LLC
TSDF Address 1:	1021 Berryessa Road
TSDF Address 2:	Not reported
TSDF City:	San Jose
TSDF Zip:	95133
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	129442
Generator EPA ID:	CAD982487068
Shipment Date:	2018-09-19
Manifest Number:	012661614FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2018
EM Manifest ID:	000171520DAT20170607_D_1
Shipment Date:	6/7/2017
Receipt Date:	6/14/2017
Manifest Number:	000171520DAT
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133

CHABOT COLLEGE (Continued) **S105024479**

Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 000171520DAT20170607_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-06-07
Manifest Number: 000171520DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.03250
Quantity Waste: 65.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D018

Year: 2018
EM Manifest ID: 000171520DAT20170607_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-06-07
Manifest Number: 000171520DAT
Line Number: 2
Method Code: H121
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

State:
Year: 2018
EM Manifest ID: 000171520DAT20170607_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-06-07
Manifest Number: 000171520DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.03250
Quantity Waste: 65.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018

CHABOT COLLEGE (Continued) **S105024479**

EM Manifest ID:	000171520DAT20170607_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-06-07
Manifest Number:	000171520DAT
Line Number:	2
Method Code:	H121
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	791

Year:	2018
EM Manifest ID:	000171203DAT20170427_D_1
Shipment Date:	4/27/2017
Receipt Date:	6/6/2017
Manifest Number:	000171203DAT
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	TXD046844700
TSDF Name:	CHEMICAL RECLAMATION SERVICES LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	000171203DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171203DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.27500
Quantity Waste:	550.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018

CHABOT COLLEGE (Continued) **S105024479**

EM Manifest ID: 000171203DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171203DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.27500
Quantity Waste: 550.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

State:
Year: 2018
EM Manifest ID: 000171203DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171203DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.27500
Quantity Waste: 550.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Shipment Date: 4/27/2017
Receipt Date: 5/3/2017
Manifest Number: 000171202DAT
Generator EPA ID: CAD982487068
Name: LAS POSITAS COLLEGE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

CHABOT COLLEGE (Continued) **S105024479**

Federal:

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	2
Method Code:	H070
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1

CHABOT COLLEGE (Continued) **S105024479**

Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT
Line Number: 2
Method Code: H070
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT
Line Number: 2
Method Code: H070
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D011

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT
Line Number: 3
Method Code: H070
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT
Line Number: 3
Method Code: H070
Quantity Tons: 0.00150

CHABOT COLLEGE (Continued) **S105024479**

Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D006
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT

CHABOT COLLEGE (Continued) **S105024479**

Line Number:	4
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U095
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1

CHABOT COLLEGE (Continued) **S105024479**

Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D003

CHABOT COLLEGE (Continued) **S105024479**

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	13
Method Code:	H121
Quantity Tons:	0.55000
Quantity Waste:	1100.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	13
Method Code:	H121
Quantity Tons:	0.55000
Quantity Waste:	1100.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	14
Method Code:	H121
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL

CHABOT COLLEGE (Continued) **S105024479**

Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	14
Method Code:	H121
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	14
Method Code:	H121
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D006
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	14
Method Code:	H121
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	17
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000

CHABOT COLLEGE (Continued) **S105024479**

Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D009

State:
Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT
Line Number: 2
Method Code: H070
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT
Line Number: 3
Method Code: H070
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT

CHABOT COLLEGE (Continued) **S105024479**

Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1

CHABOT COLLEGE (Continued) **S105024479**

Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	11
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

CHABOT COLLEGE (Continued) **S105024479**

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	13
Method Code:	H121
Quantity Tons:	0.55000
Quantity Waste:	1100.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	792

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	14
Method Code:	H121
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	121

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	15
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	000171202DAT20170427_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-04-27
Manifest Number:	000171202DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

CHABOT COLLEGE (Continued) **S105024479**

Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 000171202DAT20170427_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-04-27
Manifest Number: 000171202DAT
Line Number: 17
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 725

Year: 2018
EM Manifest ID: 009282359JJK20180402_D_1
Shipment Date: 4/2/2018
Receipt Date: 4/4/2018
Manifest Number: 009282359JJK
Generator EPA ID: CAD982487068
Name: LAS POSITAS COLLEGE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAD982433575
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD981402522
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD981402522
TSDF Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 009282359JJK20180402_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-04-02
Manifest Number: 009282359JJK
Line Number: 1
Method Code: H010
Quantity Tons: 0.12510
Quantity Waste: 30.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL

CHABOT COLLEGE (Continued) **S105024479**

Quantity Type: NULL
Federal Code: D011

State:
Year: 2018
EM Manifest ID: 009282359JJK20180402_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-04-02
Manifest Number: 009282359JJK
Line Number: 1
Method Code: H010
Quantity Tons: 0.12510
Quantity Waste: 30.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 541

Year: 2018
EM Manifest ID: 000206942DAT20180327_D_1
Shipment Date: 3/27/2018
Receipt Date: 4/10/2018
Manifest Number: 000206942DAT
Generator EPA ID: CAD982487068
Name: LAS POSITAS-COLLEGE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 000206942DAT20180327_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-03-27
Manifest Number: 000206942DAT
Line Number: 1
Method Code: H121
Quantity Tons: 0.66250
Quantity Waste: 1325.000000
Quantity Unit: P

CHABOT COLLEGE (Continued) **S105024479**

Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000206942DAT20180327_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2018-03-27
Manifest Number:	000206942DAT
Line Number:	1
Method Code:	H121
Quantity Tons:	0.66250
Quantity Waste:	1325.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	000206942DAT20180327_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2018-03-27
Manifest Number:	000206942DAT
Line Number:	2
Method Code:	H121
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000206942DAT20180327_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2018-03-27
Manifest Number:	000206942DAT
Line Number:	2
Method Code:	H121
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	000206942DAT20180327_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2018-03-27
Manifest Number:	000206942DAT
Line Number:	2
Method Code:	H121

CHABOT COLLEGE (Continued) **S105024479**

Quantity Tons: 0.40750
Quantity Waste: 815.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D006

Year: 2018
EM Manifest ID: 000206942DAT20180327_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-03-27
Manifest Number: 000206942DAT
Line Number: 2
Method Code: H121
Quantity Tons: 0.40750
Quantity Waste: 815.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 000206942DAT20180327_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-03-27
Manifest Number: 000206942DAT
Line Number: 2
Method Code: H121
Quantity Tons: 0.40750
Quantity Waste: 815.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D008

State:
Year: 2018
EM Manifest ID: 000206942DAT20180327_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-03-27
Manifest Number: 000206942DAT
Line Number: 1
Method Code: H121
Quantity Tons: 0.66250
Quantity Waste: 1325.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 792

Year: 2018
EM Manifest ID: 000206942DAT20180327_D_1
Generator EPA ID: CAD982487068

CHABOT COLLEGE (Continued) **S105024479**

Shipment Date:	2018-03-27
Manifest Number:	000206942DAT
Line Number:	2
Method Code:	H121
Quantity Tons:	0.40750
Quantity Waste:	815.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	121
Year:	2018
EM Manifest ID:	000206942DAT20180327_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2018-03-27
Manifest Number:	000206942DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.28000
Quantity Waste:	560.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	000206942DAT20180327_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2018-03-27
Manifest Number:	000206942DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000206943DAT20180327_D_1
Shipment Date:	3/27/2018
Receipt Date:	5/4/2018
Manifest Number:	000206943DAT
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: TXD046844700
TSDF Name: CHEMICAL RECLAMATION SERVICES LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 000206943DAT20180327_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-03-27
Manifest Number: 000206943DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.25750
Quantity Waste: 515.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 000206943DAT20180327_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-03-27
Manifest Number: 000206943DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.25750
Quantity Waste: 515.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

State:
Year: 2018
EM Manifest ID: 000206943DAT20180327_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2018-03-27
Manifest Number: 000206943DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.25750
Quantity Waste: 515.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL

CHABOT COLLEGE (Continued) **S105024479**

State Code: 551

Year: 2018
EM Manifest ID: 000160383DAT20170324_D_1
Shipment Date: 3/24/2017
Receipt Date: 3/31/2017
Manifest Number: 000160383DAT
Generator EPA ID: CAD982487068
Name: LAS POSITAS COLLEGE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 000160383DAT20170324_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-03-24
Manifest Number: 000160383DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 000160383DAT20170324_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-03-24
Manifest Number: 000160383DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL

CHABOT COLLEGE (Continued) **S105024479**

State Code: 223

Year: 2018
EM Manifest ID: 000160383DAT20170324_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-03-24
Manifest Number: 000160383DAT
Line Number: 3
Method Code: H141
Quantity Tons: 0.02000
Quantity Waste: 40.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 343

Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Shipment Date: 10/18/2017
Receipt Date: 10/27/2017
Manifest Number: 000191678DAT
Generator EPA ID: CAD982487068
Name: LAS POSITAS COLLEGE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191678DAT
Line Number: 1
Method Code: H121
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL

CHABOT COLLEGE (Continued) **S105024479**

Federal Code:	D002
Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	3
Method Code:	H121
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	5
Method Code:	H121
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	5
Method Code:	H121
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P

CHABOT COLLEGE (Continued) **S105024479**

Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
Federal Code: D011

Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191678DAT
Line Number: 6
Method Code: H121
Quantity Tons: 0.37500
Quantity Waste: 750.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191678DAT
Line Number: 6
Method Code: H121
Quantity Tons: 0.37500
Quantity Waste: 750.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191678DAT
Line Number: 6
Method Code: H121
Quantity Tons: 0.37500
Quantity Waste: 750.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D006

Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191678DAT
Line Number: 6
Method Code: H121

CHABOT COLLEGE (Continued) **S105024479**

Quantity Tons: 0.37500
Quantity Waste: 750.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191678DAT
Line Number: 6
Method Code: H121
Quantity Tons: 0.37500
Quantity Waste: 750.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

State:
Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191678DAT
Line Number: 1
Method Code: H121
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191678DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 000191678DAT20171018_D_1
Generator EPA ID: CAD982487068

CHABOT COLLEGE (Continued) **S105024479**

Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	3
Method Code:	H121
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	5
Method Code:	H121
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	792
Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	6
Method Code:	H121
Quantity Tons:	0.37500
Quantity Waste:	750.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	121

CHABOT COLLEGE (Continued) **S105024479**

Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	7
Method Code:	H141
Quantity Tons:	0.12500
Quantity Waste:	250.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	000191678DAT20171018_D_1
Generator EPA ID:	CAD982487068
Shipment Date:	2017-10-18
Manifest Number:	000191678DAT
Line Number:	8
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	000191679DAT20171018_D_1
Shipment Date:	10/18/2017
Receipt Date:	12/8/2017
Manifest Number:	000191679DAT
Generator EPA ID:	CAD982487068
Name:	LAS POSITAS COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	TXD046844700
TSDF Name:	CHEMICAL RECLAMATION SERVICES LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Federal:
Year: 2018
EM Manifest ID: 000191679DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191679DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.27500
Quantity Waste: 550.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 000191679DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191679DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.27500
Quantity Waste: 550.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

State:
Year: 2018
EM Manifest ID: 000191679DAT20171018_D_1
Generator EPA ID: CAD982487068
Shipment Date: 2017-10-18
Manifest Number: 000191679DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.27500
Quantity Waste: 550.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Additional Info:
Year: 2017
Gen EPA ID: CAD982487068

Shipment Date: 20171018
Creation Date: 10/16/2018 18:30:37
Receipt Date: 20171208
Manifest ID: 000191679DAT

CHABOT COLLEGE (Continued) **S105024479**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	TXD046844700
Trans Name:	CHEMICAL RECLAMATION SERVICES 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:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.275
Waste Quantity:	550
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:	20171018
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171027
Manifest ID:	000191678DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	H121 - Neutralization Only
Quantity Tons:	0.002
Waste Quantity:	4
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:	20171018
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171027
Manifest ID:	000191678DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.0015
Waste Quantity:	3
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:	20171018
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171027
Manifest ID:	000191678DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
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:	20171018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000191678DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000191678DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D011
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000191678DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D010
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	D005
Additional Code 4:	D002
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Receipt Date:	Not reported
Manifest ID:	000191678DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
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:	20171018
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171027
Manifest ID:	000191678DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	H121 - Neutralization Only
Quantity Tons:	0.0025
Waste Quantity:	5
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:	20170921
Creation Date:	7/30/2018 18:30:20
Receipt Date:	20171002
Manifest ID:	009282295JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC

CHABOT COLLEGE (Continued) **S105024479**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
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

Additional Info:
Year: 2016
Gen EPA ID: CAD982487068

Shipment Date: 20151214
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000131308DAT
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
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

Shipment Date: 20151214
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000131308DAT
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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

CHABOT COLLEGE (Continued) **S105024479**

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
Shipment Date:	20151214
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
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:	20151214
Creation Date:	9/21/2016 18:30:44
Receipt Date:	20151217
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2375
Waste Quantity:	475
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151214
Creation Date:	9/21/2016 18:30:44
Receipt Date:	20151217
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D008
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	D005
Additional Code 4:	D002
Additional Code 5:	Not reported
Shipment Date:	20151214
Creation Date:	9/21/2016 18:30:44
Receipt Date:	20151217
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D011
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151214
Creation Date:	9/21/2016 18:30:44
Receipt Date:	20151217

CHABOT COLLEGE (Continued) **S105024479**

Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	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:	20151112
Creation Date:	2/9/2016 22:15:50
Receipt Date:	20151118
Manifest ID:	005273456JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	COMMODITY RESOURCE & ENVIRONMENTAL
TSDF EPA ID:	CAD981402522
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
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:	20150908
Creation Date:	2/9/2016 22:15:26
Receipt Date:	20150917
Manifest ID:	000123864DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000183152
Trans 2 Name:	L D TRANSPORTATION LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
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:	20150908
Creation Date:	2/9/2016 22:15:26
Receipt Date:	20150917
Manifest ID:	000123864DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000183152
Trans 2 Name:	L D TRANSPORTATION LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

Additional Info:

Year:	2015
Gen EPA ID:	CAD982487068
Shipment Date:	20151214
Creation Date:	9/21/2016 18:30:44
Receipt Date:	20151217
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

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:	20151214
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
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:	20151214
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	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

CHABOT COLLEGE (Continued) **S105024479**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151214
Creation Date:	9/21/2016 18:30:44
Receipt Date:	20151217
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2375
Waste Quantity:	475
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:	20151214
Creation Date:	9/21/2016 18:30:44
Receipt Date:	20151217
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D008
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	D005
Additional Code 4:	D002
Additional Code 5:	Not reported
Shipment Date:	20151214
Creation Date:	9/21/2016 18:30:44

CHABOT COLLEGE (Continued) **S105024479**

Receipt Date:	20151217
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D011
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151214
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000131308DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
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

Shipment Date:	20151112
Creation Date:	2/9/2016 22:15:50
Receipt Date:	20151118
Manifest ID:	005273456JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	COMMODITY RESOURCE & ENVIRONMENTAL
TSDF EPA ID:	CAD981402522
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC

CHABOT COLLEGE (Continued) **S105024479**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
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:	20150908
Creation Date:	2/9/2016 22:15:26
Receipt Date:	20150917
Manifest ID:	000123864DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000183152
Trans 2 Name:	L D TRANSPORTATION LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
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:	20150908
Creation Date:	2/9/2016 22:15:26
Receipt Date:	20150917
Manifest ID:	000123864DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000183152
Trans 2 Name:	L D TRANSPORTATION LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10

CHABOT COLLEGE (Continued) **S105024479**

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:	CAD982487068
Shipment Date:	20141208
Creation Date:	5/18/2015 22:15:16
Receipt Date:	20141217
Manifest ID:	000109138DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D011
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141208
Creation Date:	5/18/2015 22:15:16
Receipt Date:	20141217
Manifest ID:	000109138DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D008
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006

CHABOT COLLEGE (Continued) **S105024479**

Additional Code 3:	D005
Additional Code 4:	D002
Additional Code 5:	Not reported
Shipment Date:	20141208
Creation Date:	5/18/2015 22:15:16
Receipt Date:	20141217
Manifest ID:	000109138DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
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:	20141208
Creation Date:	5/18/2015 22:15:16
Receipt Date:	20141217
Manifest ID:	000109138DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
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
Shipment Date:	20141208
Creation Date:	Not reported
Receipt Date:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Manifest ID:	000109138DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
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:	20141124
Creation Date:	3/6/2015 22:15:05
Receipt Date:	20141124
Manifest ID:	012868307JJK
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
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20140925
Creation Date:	12/31/2014 22:14:53
Receipt Date:	20140925
Manifest ID:	012868399JJK
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

CHABOT COLLEGE (Continued) **S105024479**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20140908
Creation Date:	11/8/2014 22:15:16
Receipt Date:	20140908
Manifest ID:	004212489SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	SAFETY-KLEEN OF CALIFORNIA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22518
Waste Quantity:	54
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:	20140624
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000103502DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015

CHABOT COLLEGE (Continued) **S105024479**

Waste Quantity:	3
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:	20140624
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000103502DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
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

Additional Info:

Year:	2013
Gen EPA ID:	CAD982487068
Shipment Date:	20131024
Creation Date:	1/13/2014 22:15:14
Receipt Date:	20131024
Manifest ID:	010875004JJK
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
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130806
Creation Date:	1/11/2014 22:15:06
Receipt Date:	20130823
Manifest ID:	000003513DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVR000087361
Trans 2 Name:	SJC LIMITED
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2375
Waste Quantity:	475
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:	20130806
Creation Date:	1/11/2014 22:15:06
Receipt Date:	20130823
Manifest ID:	000003513DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVR000087361
Trans 2 Name:	SJC LIMITED
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
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:	20130806
Creation Date:	1/11/2014 22:15:06

CHABOT COLLEGE (Continued) **S105024479**

Receipt Date:	20130823
Manifest ID:	000003513DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVR000087361
Trans 2 Name:	SJC LIMITED
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
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

Shipment Date:	20130806
Creation Date:	1/11/2014 22:15:06
Receipt Date:	20130823
Manifest ID:	000003513DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVR000087361
Trans 2 Name:	SJC LIMITED
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
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:	20130806
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000003513DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVR000087361
Trans 2 Name:	SJC LIMITED
TSDF EPA ID:	NVD980895338

CHABOT COLLEGE (Continued) **S105024479**

Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
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:	20130611
Creation Date:	8/12/2013 22:15:22
Receipt Date:	20130611
Manifest ID:	009479480JJK
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
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
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:	20130604
Creation Date:	8/15/2013 22:15:24
Receipt Date:	20130604
Manifest ID:	000081636DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	Not reported
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MGMT OF NEVADA LLC
Waste Code Description:	792 - Not reported
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.375

CHABOT COLLEGE (Continued) **S105024479**

Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130604
Creation Date:	8/15/2013 22:15:24
Receipt Date:	20130604
Manifest ID:	000081636DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	Not reported
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MGMT OF NEVADA LLC
Waste Code Description:	- Not reported
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	D005
Additional Code 4:	D002
Additional Code 5:	Not reported
Shipment Date:	20130604
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000081636DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	Not reported
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MGMT OF NEVADA LLC
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
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

CHABOT COLLEGE (Continued) **S105024479**

Additional Info:

Year:	2012
Gen EPA ID:	CAD982487068
Shipment Date:	20121116
Creation Date:	2/9/2013 22:15:14
Receipt Date:	20121116
Manifest ID:	009476567JJK
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
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20121005
Creation Date:	12/20/2012 22:15:18
Receipt Date:	20121008
Manifest ID:	009476595JJK
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
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20120717
Creation Date:	9/26/2012 22:15:20
Receipt Date:	20120801

CHABOT COLLEGE (Continued) **S105024479**

Manifest ID:	000053661DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
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:	20120717
Creation Date:	9/26/2012 22:15:20
Receipt Date:	20120801
Manifest ID:	000053661DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
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:	20120531
Creation Date:	8/1/2012 22:15:18
Receipt Date:	20120531
Manifest ID:	009476848JJK
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

CHABOT COLLEGE (Continued) **S105024479**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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:	20120517
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000050420DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	50
Quantity Unit:	Not reported
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:	20120517
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000050420DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons:	0.0025
Waste Quantity:	5

CHABOT COLLEGE (Continued) **S105024479**

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:	20120517
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000050420DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
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:	0.0875
Waste Quantity:	175
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:	20120517
Creation Date:	12/10/2012 22:15:57
Receipt Date:	20120601
Manifest ID:	000050420DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1875
Waste Quantity:	375
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

CHABOT COLLEGE (Continued) **S105024479**

Shipment Date:	20120517
Creation Date:	12/10/2012 22:15:57
Receipt Date:	20120601
Manifest ID:	000050420DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
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

CERS:

Name:	CHABOT COLLEGE
Address:	3033 COLLIER CANYON
City,State,Zip:	LIVERMORE, CA 94550
Site ID:	229031
CERS ID:	T0600100815
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:	,

HWTS:

Name:	LAS POSITAS COMMUNITY COLLEGE
Address:	3033 COLLIER CANYON RD
Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAD982487068
Inactive Date:	Not reported
Create Date:	06/29/1990
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	3000 CAMPUS HILL DRIVE
Mailing Address 2:	Not reported

CHABOT COLLEGE (Continued) **S105024479**

Mailing City,State,Zip:	LIVERMORE, CA 94551
Owner Name:	CHABOT-LAS POSITAS COMM COLLEGE DIS
Owner Address:	7600 DUBLIN BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	DUBLIN, CA 945682909
Contact Name:	BETTY CASTANO
Contact Address:	3000 CAMPUS HILL DRIVE
Contact Address 2:	Not reported
City,State,Zip:	LIVERMORE, CA 94551
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	37.709614
Longitude:	-121.804843

NAICS:

EPA ID:	CAD982487068
Create Date:	2010-11-22 13:00:50.000
NAICS Code:	61121
NAICS Description:	Junior Colleges
Issued EPA ID Date:	1990-06-29 00:00:00
Inactive Date:	Not reported
Facility Name:	LAS POSITAS COMMUNITY COLLEGE
Facility Address:	3033 COLLIER CANYON RD
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945519797

EPA ID:	CAD982487068
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	6114
NAICS Description:	Business Schools and Computer and Management Training
Issued EPA ID Date:	1990-06-29 00:00:00
Inactive Date:	Not reported
Facility Name:	LAS POSITAS COMMUNITY COLLEGE
Facility Address:	3033 COLLIER CANYON RD
Facility Address 2:	Not reported
Facility City:	LIVERMORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945519797

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58 **ASSOCIATED CONCRETE PRODUCTS** **Notify 65** **S100179843**
South **1901 ISABEL AVENUE** **N/A**
1/2-1 **LIVERMORE, CA 94550**
0.500 mi.
2641 ft.

Relative:
Lower

Actual:
403 ft.

NOTIFY 65:

Name:	ASSOCIATED CONCRETE PRODUCTS
Address:	1901 ISABEL AVENUE
City,State,Zip:	LIVERMORE, CA 94550
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported

ASSOCIATED CONCRETE PRODUCTS (Continued) **S100179843**

Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

59
SE
1/2-1
0.885 mi.
4673 ft.

LIVERMORE NAVY AUXILIARY FIELD **ENVIROSTOR** **S107736811**
MURIETTA BLVD. **N/A**
LIVERMORE, CA

Relative:
Higher

Actual:
429 ft.

ENVIROSTOR:
Name: LIVERMORE NAVY AUXILIARY FIELD
Address: MURIETTA BLVD.
City,State,Zip: LIVERMORE, CA
Facility ID: 80000958
Status: No Further Action
Status Date: 02/18/2015
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Charles Ridenour
Division Branch: Cleanup Sacramento
Assembly: 16
Senate: 07
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 37.69459
Longitude: -121.7925
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Explosives (UXO, MEC
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: May School NOLF, Livermoore
Alias Type: Alternate Name
Alias Name: CA99799FA30500
Alias Type: Federal Facility ID
Alias Name: J09CA7295
Alias Type: INPR
Alias Name: 80000958
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Department of Defense Action Indicated (NDAI)
Completed Date: 02/18/2015
Comments: This determination is based on information in DTSC s and the Water

LIVERMORE NAVY AUXILIARY FIELD (Continued) **S107736811**

Boards possession at this time concerning Department of Defense (DoD) activities on the sites listed above. DTSC and the Water Boards reserve the right to address any appropriate environmental or human health related issue, should additional information concerning the environmental condition of this site become available in the future.

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: NAS LIVERMORE
Address: Not reported
City,State,Zip: LIVERMORE, CA
Facility ID: 80000644
Status: No Further Action
Status Date: 09/06/2012
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 629
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Carrie Tatoian-Cain
Division Branch: Cleanup Sacramento
Assembly: 16
Senate: 07
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 37.69464
Longitude: -121.7927
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Explosives (UXO, MEC
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F727900
Alias Type: Federal Facility ID
Alias Name: J09CA1040
Alias Type: INPR
Alias Name: 80000644
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Department of Defense Action Indicated (NDAI)
Completed Date: 07/24/2012
Comments: This site is being investigated and remediated by DOE and overseen by

LIVERMORE NAVY AUXILIARY FIELD (Continued) **S107736811**

USEPA and DTSC. Therefore it is FUDS ineligible

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

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60 SE 1/2-1 0.945 mi. 4991 ft. **LIVERMORE NAVY AUXILIARY FIELD** **FUDS** **1007211939 N/A**

LIVERMORE, CA

Relative: Higher

Actual: 428 ft.

FUDS:

EPA Region:	09
Installation ID:	CA99799FA30500
Congressional District Number:	15
Name:	LIVERMORE NAVY AUXILIARY FIELD
FUDS Number:	J09CA7295
City:	LIVERMORE
State:	CA
County:	ALAMEDA
Object ID:	7301
USACE Division:	spd
USACE District:	spk
Status:	Properties with all projects at site closeout
Current Owner:	LOCAL: CITY CITY
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=53494
Eligibility:	Eligible
Has Projects:	Yes
NPL Status:	Not on the NPL
Property History:	Beginning 1 June 1943, the Livermore Outer Landing Field was used for primary flight training by pilots stationed at Naval Air Station Livermore. We have been unable to obtain any detailed information regarding the use of this facility.
Project Required:	Yes
Feature Description:	Not reported
Latitude:	37.69277778
Longitude:	-121.79277778

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	CA9799FA305
RAB:	Not reported
NPL Status:	Not Listed
Description:	The Livermore Outer Landing Field was located in the city of Livermore, about 40 miles east of San Francisco. A 12th Naval District map titled, "O.L.F. Livermore, Livermore Intermediate" depicts a sod runway, house, "CAA building," rotating course beacon, wind sock, landing lights, operations shack, gasoline pump, and wind tee. The gasoline pump, operations shack, and wind tee were located just inside the northern border of the property. The map does not indicate whether

LIVERMORE NAVY AUXILIARY FIELD (Continued) **1007211939**

an underground storage tank was associated with the gasoline pump.This property is known or suspected to contain military munitions and explosives of concern (e.g., unexploded ordnance) and therefore may present an explosive hazard.

History: Beginning 1 June 1943, the Livermore Outer Landing Field was used for primary flight training by pilots stationed at Naval Air Station Livermore. We have been unable to obtain any detailed information regarding the use of this facility.

CTC: 29
Current Program: Not reported
Future Program: Not reported
Institutional ID: 53494

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

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
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

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 08/25/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/22/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
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: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
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: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

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: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

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: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 73

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

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: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

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

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

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

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

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

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

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

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

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

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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

Lists of state and tribal registered storage tanks

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

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

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: 08/24/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/21/2022
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/28/2022
Number of Days to Update: 89

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
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: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

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

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

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: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

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

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 79
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
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: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 03/27/2023
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: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 08/12/2022
Date Data Arrived at EDR: 08/16/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 02/20/2023
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: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
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: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
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: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Varies

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

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

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: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

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: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

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

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

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: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

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

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

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

CERS TANKS: California Environmental Reporting System (CERS) Tanks

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

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 08/24/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
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: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
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: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 11

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
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: 06/30/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
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: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
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: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
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: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

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: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

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

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/20/2023
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: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
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: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
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: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
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: 11/01/2022
Next Scheduled EDR Contact: 02/27/2023
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: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/18/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Annually

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

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Annually

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

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
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: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
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: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

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

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
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: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
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: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
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: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
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: 06/30/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
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: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
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: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
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: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 02/16/2023
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: 11/09/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2022
Next Scheduled EDR Contact: 03/06/2023
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: 08/01/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 59

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/28/2022
Next Scheduled EDR Contact: 03/13/2023
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: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 09/13/2022
Date Data Arrived at EDR: 09/14/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 82

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
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: 06/25/2022
Date Data Arrived at EDR: 07/01/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
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: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 61

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 10/09/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 79
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
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: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/20/2023
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: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/14/2022
Next Scheduled EDR Contact: 03/13/2023
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: 08/18/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 77
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
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: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 03/13/2023
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: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/15/2022
Next Scheduled EDR Contact: 03/27/2023
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: 07/12/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 73

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/19/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 07/06/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 10/03/2022
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 08/09/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

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

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

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

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

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

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 12/15/2022
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

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: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/20/2023
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: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/07/2022
Date Data Arrived at EDR: 09/08/2022
Date Made Active in Reports: 11/29/2022
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
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: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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: 08/16/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
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: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
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: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

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: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
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: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
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: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
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: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/06/2023
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: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 09/28/2022
Date Data Arrived at EDR: 09/29/2022
Date Made Active in Reports: 12/14/2022
Number of Days to Update: 76

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/13/2023
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: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 09/02/2022
Number of Days to Update: 79

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
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: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
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: 07/20/2022
Date Data Arrived at EDR: 07/20/2022
Date Made Active in Reports: 10/03/2022
Number of Days to Update: 75

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
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: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/09/2023
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: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/13/2022
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
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: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 02/16/2023
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: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/04/2022
Date Made Active in Reports: 12/15/2022
Number of Days to Update: 72

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/11/2022
Date Data Arrived at EDR: 07/11/2022
Date Made Active in Reports: 09/23/2022
Number of Days to Update: 74

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/07/2022
Next Scheduled EDR Contact: 01/23/2023
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: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
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: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
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: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
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: 08/30/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 78

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
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: 08/30/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/08/2022
Number of Days to Update: 79

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
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: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 01/30/2023
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: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
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: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/22/2022
Date Data Arrived at EDR: 07/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 73

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
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: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/21/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 3

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/01/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
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: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
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: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
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: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/09/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 10/11/2022
Number of Days to Update: 76

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
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: 08/22/2022
Date Data Arrived at EDR: 08/23/2022
Date Made Active in Reports: 11/11/2022
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
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: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 82

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
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: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
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: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 10/07/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

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: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/10/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
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: 12/09/2022
Next Scheduled EDR Contact: 03/20/2023
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: 11/30/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
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: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 10/11/2022
Number of Days to Update: 76

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/13/2022
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 02/16/2023
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: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
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: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
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: 08/29/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/21/2022
Number of Days to Update: 82

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/21/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/14/2022
Number of Days to Update: 75

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 5

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
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: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/21/2022
Number of Days to Update: 74

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 02/20/2023
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: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
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: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
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: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 02/27/2023
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: 12/01/2022
Next Scheduled EDR Contact: 03/20/2023
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

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

VACANT LAND
2620 & 2768 COLLIER CANYON RD
LIVERMORE, CA 94551

TARGET PROPERTY COORDINATES

Latitude (North):	37.702924 - 37ˆ 42’ 10.53’’
Longitude (West):	121.807036 - 121ˆ 48’ 25.33’’
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	605164.7
UTM Y (Meters):	4173319.2
Elevation:	420 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12008728 LIVERMORE, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

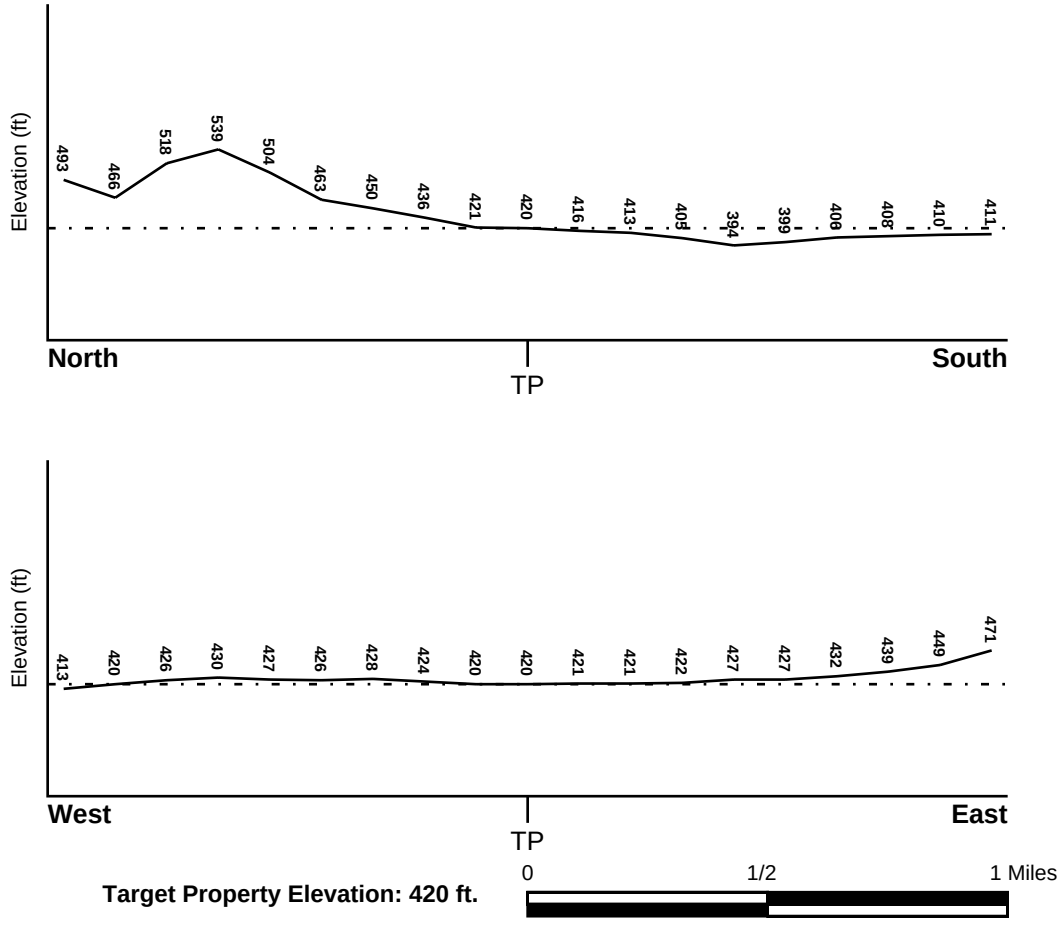
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06001C0333G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06001C0329G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LIVERMORE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
29	1/2 - 1 Mile WSW	SW
1G	1/2 - 1 Mile WSW	SW

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tpc *(decoded above as Era, System & Series)*

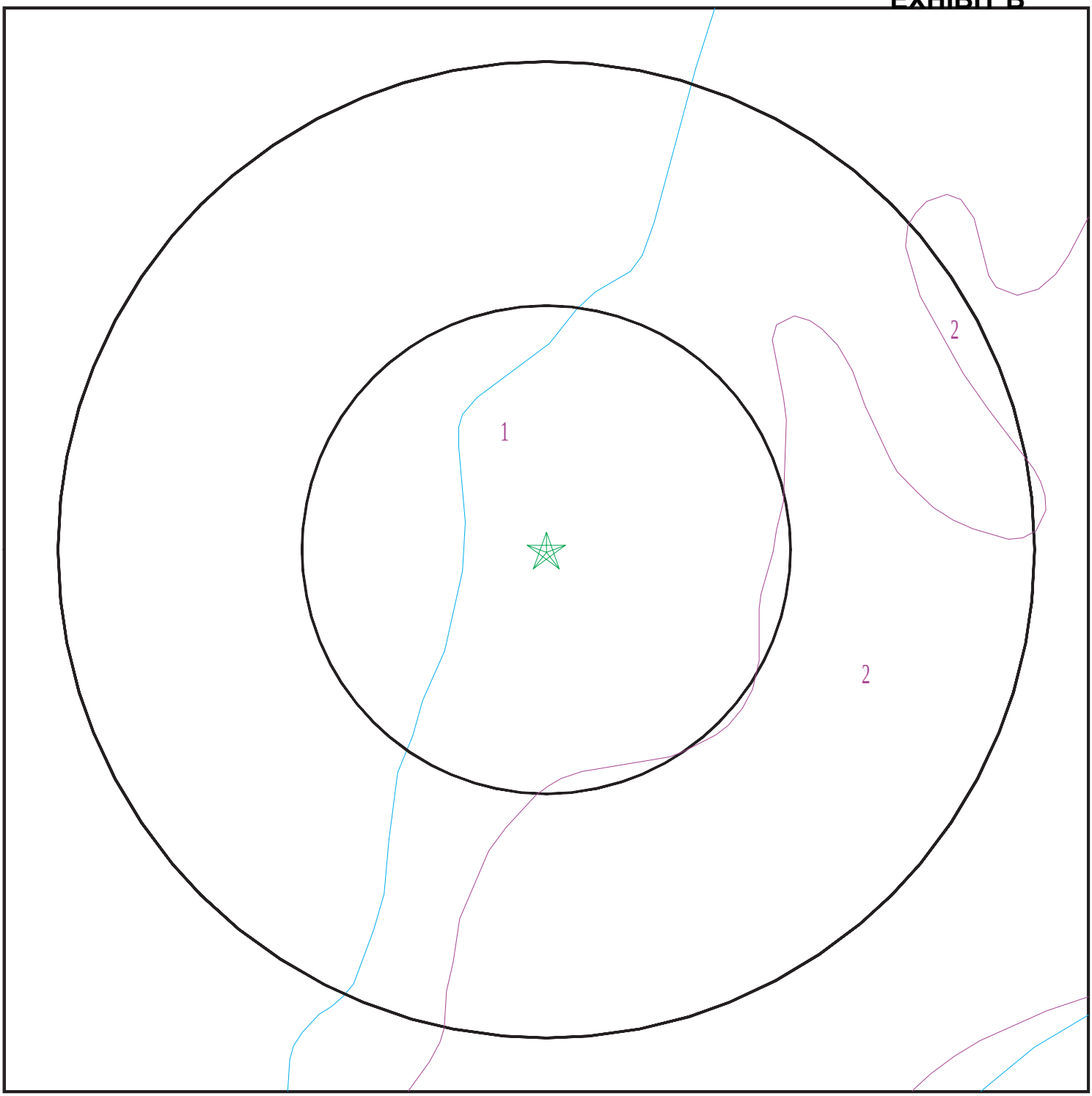
GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7208710.2s

EXHIBIT B



SITE NAME:	Vacant Land	CLIENT:	KCE Matrix
ADDRESS:	2620 & 2768 COLLIER CANYON RD Livermore CA 94551	CONTACT:	Aram Kaloustian
		INQUIRY #:	7208710.2s
LAT/LONG:	37.702924 / 121.807036	DATE:	December 20, 2022 4:15 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Diablo

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	14 inches	42 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	42 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Rincon

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	16 inches	51 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	51 inches	59 inches	stratified sandy loam to clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000185028	0 - 1/8 Mile South
B6	USGS40000184974	1/4 - 1/2 Mile South
C11	USGS40000184958	1/2 - 1 Mile South
D13	USGS40000184999	1/2 - 1 Mile ESE
E19	USGS40000184975	1/2 - 1 Mile SW
F21	USGS40000184927	1/2 - 1 Mile SSW
G24	USGS40000184946	1/2 - 1 Mile SW
H26	USGS40000184943	1/2 - 1 Mile SE
I31	USGS40000184914	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADWR9000037174	0 - 1/8 Mile ESE
A3	CAUSGSN00005860	0 - 1/8 Mile South
A4	CAUSGSN00008681	0 - 1/8 Mile SSE
A5	CAUSGS000000085	0 - 1/8 Mile SSE
B7	CAUSGSN00007209	1/4 - 1/2 Mile South
B8	CADWR9000037128	1/4 - 1/2 Mile South
9	CADWR9000037175	1/4 - 1/2 Mile West
10	CADWR9000037162	1/2 - 1 Mile WSW
C12	CAUSGSN00006327	1/2 - 1 Mile South
D14	CAUSGSN00001898	1/2 - 1 Mile ESE
D15	CAUSGS000001889	1/2 - 1 Mile ESE
16	CADWR0000033555	1/2 - 1 Mile SE
E17	CADWR9000037134	1/2 - 1 Mile SW
E18	CAUSGSN00001628	1/2 - 1 Mile SW
E20	CALLNL000000305	1/2 - 1 Mile SW
F22	CAUSGSN00018312	1/2 - 1 Mile SSW
F23	CADWR9000037084	1/2 - 1 Mile SSW

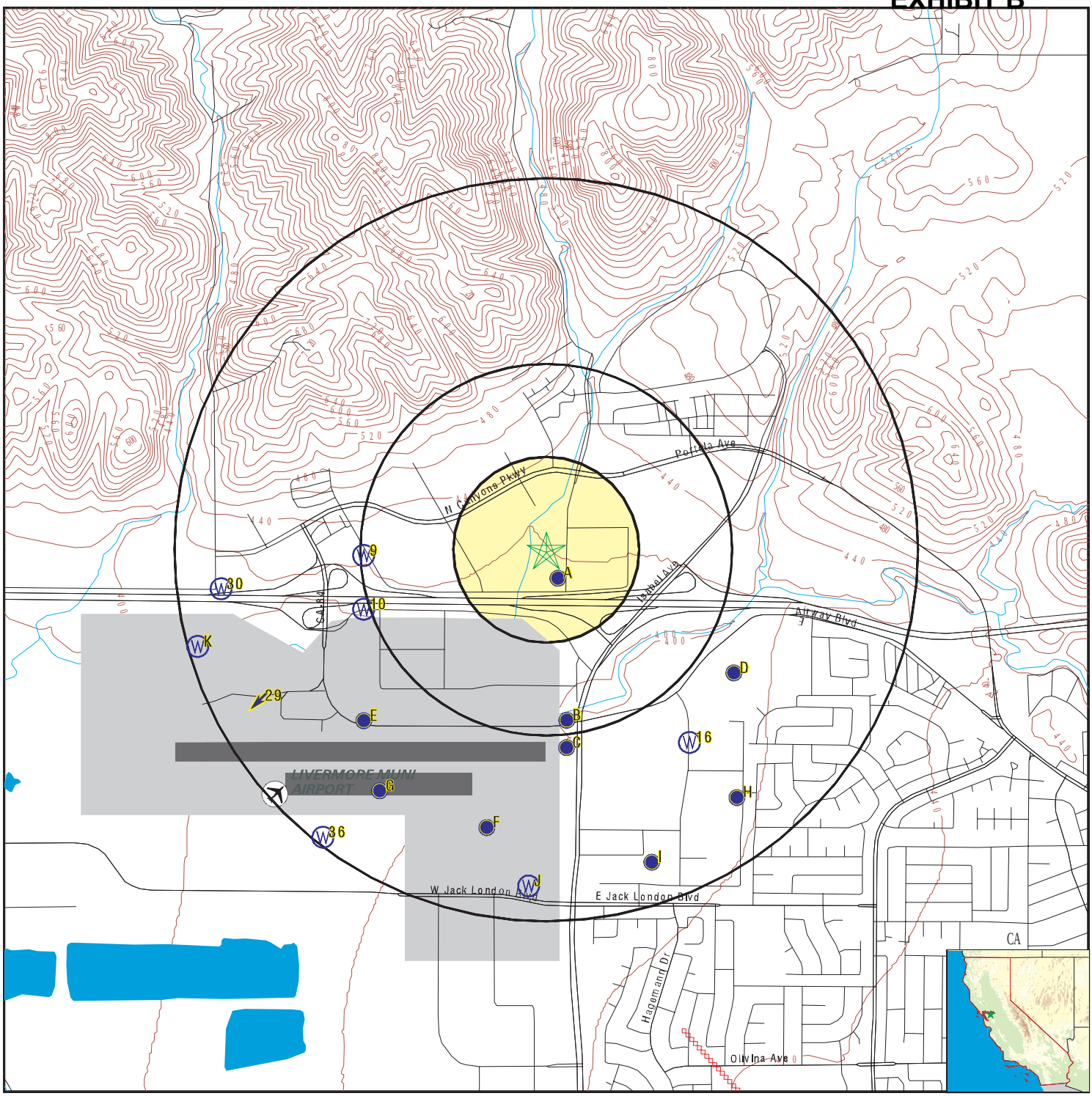
GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G25	CAUSGSN00012710	1/2 - 1 Mile SW
H27	CAUSGSN00006752	1/2 - 1 Mile SE
H28	CADWR9000037097	1/2 - 1 Mile SE
30	CADWR9000037171	1/2 - 1 Mile West
I32	CAUSGSN00009980	1/2 - 1 Mile SSE
J33	CALLNL000000212	1/2 - 1 Mile South
J34	CALLNL000000505	1/2 - 1 Mile South
K35	CADWR9000037151	1/2 - 1 Mile WSW
36	CADWR0000024730	1/2 - 1 Mile SW
K37	CALLNL000000048	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 7208710.2s

EXHIBIT B



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Vacant Land	CLIENT:	KCE Matrix
ADDRESS:	2620 & 2768 COLLIER CANYON RD Livermore CA 94551	CONTACT:	Aram Kaloustian
LAT/LONG:	37.702924 / 121.807036	INQUIRY #:	7208710.2s
		DATE:	December 20, 2022 4:15 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
ESE
0 - 1/8 Mile
Higher

CA WELLS **CADWR9000037174**

State Well #:	03S01E01H003M	Station ID:	46340
Well Name:	3S/1E 1H 3	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	80	Well Completion Rpt #:	107417

A2
South
0 - 1/8 Mile
Lower

FED USGS **USGS40000185028**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001E01H003M	Type:	Well
Description:	Not Reported	HUC:	18050004
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19771019	Well Depth:	80
Well Depth Units:	ft	Well Hole Depth:	80
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	37	Level reading date:	1981-12-21
Feet below surface:	35.6	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1981-11-18	Feet below surface:	35.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-26	Feet below surface:	35.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-30	Feet below surface:	35.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-31	Feet below surface:	35.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-03	Feet below surface:	35.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-13	Feet below surface:	35.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-08	Feet below surface:	35.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-20	Feet below surface:	35.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-19	Feet below surface:	35.3
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1981-04-22	Feet below surface:	34.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-25	Feet below surface:	34.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-26	Feet below surface:	34.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-28	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-27	Feet below surface:	34.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-30	Feet below surface:	35.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-03	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-12	Feet below surface:	35.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-08	Feet below surface:	35.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-17	Feet below surface:	34.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-20	Feet below surface:	34.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-16	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-10	Feet below surface:	34.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-19	Feet below surface:	36.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-17	Feet below surface:	37.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-15	Feet below surface:	36.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-17	Feet below surface:	35.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-15	Feet below surface:	36.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-16	Feet below surface:	37.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-08	Feet below surface:	37.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-13	Feet below surface:	38.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-08-03	Feet below surface:	38.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-19	Feet below surface:	37.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-02	Feet below surface:	37.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-14	Feet below surface:	40.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-22	Feet below surface:	42.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-13	Feet below surface:	42.8
Feet to sea level:	Not Reported	Note:	Not Reported

A3
South **CA WELLS** **CAUSGSN00005860**
0 - 1/8 Mile
Lower

Well ID:	USGS-374207121482101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374207121482101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374207121482101&store_num=		
GeoTracker Data:	Not Reported		

A4
SSE **CA WELLS** **CAUSGSN00008681**
0 - 1/8 Mile
Lower

Well ID:	USGS-374200121480001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374200121480001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374200121480001&store_num=		
GeoTracker Data:	Not Reported		

A5
SSE **CA WELLS** **CAUSGS000000085**
0 - 1/8 Mile
Lower

B6
South **FED USGS** **USGS40000184974**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001E01R001M	Type:	Well
Description:	Not Reported	HUC:	18050004

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19751106	Well Depth:	31.5
Well Depth Units:	ft	Well Hole Depth:	37
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	65	Level reading date:	1980-03-17
Feet below surface:	13.5	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1980-03-03	Feet below surface:	13.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-29	Feet below surface:	13.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-18	Feet below surface:	13.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-04	Feet below surface:	13.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-21	Feet below surface:	13.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-07	Feet below surface:	14.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-24	Feet below surface:	14.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-10	Feet below surface:	14.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-28	Feet below surface:	14.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-26	Feet below surface:	14.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-13	Feet below surface:	15.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-29	Feet below surface:	14.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-15	Feet below surface:	15.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-04	Feet below surface:	16.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-24	Feet below surface:	16.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-17	Feet below surface:	15.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-13	Feet below surface:	16.4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-10	Feet below surface:	16.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-06	Feet below surface:	15.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-04	Feet below surface:	15.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-30	Feet below surface:	15.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-27	Feet below surface:	16.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-13	Feet below surface:	16.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-02	Feet below surface:	16.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-30	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-09	Feet below surface:	16.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-25	Feet below surface:	16.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-05	Feet below surface:	15.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-30	Feet below surface:	13.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-16	Feet below surface:	13.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-05	Feet below surface:	14.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-16	Feet below surface:	14.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-08	Feet below surface:	15.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-08	Feet below surface:	16.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-05	Feet below surface:	15.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-02	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-04	Feet below surface:	17.2
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1978-06-06	Feet below surface:	15.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-01	Feet below surface:	13.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-14	Feet below surface:	13.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-06	Feet below surface:	18.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-18	Feet below surface:	21.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-29	Feet below surface:	19.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-22	Feet below surface:	20.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-14	Feet below surface:	17.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-12	Feet below surface:	16.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-29	Feet below surface:	16.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-16	Feet below surface:	17.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-21	Feet below surface:	16.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-02	Feet below surface:	17.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-06	Feet below surface:	18.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-09	Feet below surface:	18.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-14	Feet below surface:	17.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-02	Feet below surface:	17.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-11	Feet below surface:	18.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-14	Feet below surface:	17.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-07	Feet below surface:	15.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-11	Feet below surface:	15.7
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1976-04-14	Feet below surface:	15.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-09	Feet below surface:	15.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-20	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-10	Feet below surface:	16.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-30	Feet below surface:	18.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-11	Feet below surface:	17.6
Feet to sea level:	Not Reported	Note:	Not Reported

B7
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00007209**

Well ID:	USGS-374147121481801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374147121481801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374147121481801&store_num=		
GeoTracker Data:	Not Reported		

B8
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000037128**

State Well #:	03S01E01R002M	Station ID:	46343
Well Name:	3S/1E 1R 2	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	56	Well Completion Rpt #:	62569

9
West
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR9000037175**

State Well #:	03S01E01F002M	Station ID:	46339
Well Name:	3S/1E 1F 2	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	40	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

10
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000037162**

State Well #:	03S01E01L001M	Station ID:	46341
Well Name:	3S/1E 1L 1	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	70	Well Completion Rpt #:	Not Reported

C11
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000184958**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001E01R002M	Type:	Well
Description:	Not Reported	HUC:	18050004
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19801029	Well Depth:	56
Well Depth Units:	ft	Well Hole Depth:	56
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	45	Level reading date:	1982-01-19
Feet below surface:	15.1	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1981-12-21	Feet below surface:	16.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-17	Feet below surface:	15.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-30	Feet below surface:	16.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-18	Feet below surface:	16.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-02	Feet below surface:	16.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-29	Feet below surface:	16.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-31	Feet below surface:	16.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-03	Feet below surface:	16.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-01	Feet below surface:	16.3
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1981-06-29	Feet below surface:	16.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-01	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-26	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-19	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-12	Feet below surface:	16.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-11	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-05	Feet below surface:	16.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-28	Feet below surface:	15.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-21	Feet below surface:	15.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-14	Feet below surface:	15.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-07	Feet below surface:	15.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-31	Feet below surface:	15.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-24	Feet below surface:	15.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-17	Feet below surface:	15.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-11	Feet below surface:	15.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-10	Feet below surface:	15.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-03	Feet below surface:	15.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-25	Feet below surface:	15.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-10	Feet below surface:	15.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-03	Feet below surface:	15.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-27	Feet below surface:	15.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-01-19	Feet below surface:	16.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-12	Feet below surface:	16.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-05	Feet below surface:	16.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-01	Feet below surface:	15.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-29	Feet below surface:	16.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-22	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-16	Feet below surface:	15.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-09	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-02	Feet below surface:	15.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-25	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-21	Feet below surface:	15.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-18	Feet below surface:	16.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-10	Feet below surface:	15.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-03	Feet below surface:	15.9
Feet to sea level:	Not Reported	Note:	Not Reported

C12
South **CA WELLS** **CAUSGSN00006327**
1/2 - 1 Mile
Lower

Well ID:	USGS-374143121481801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374143121481801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374143121481801&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D13
ESE
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000184999**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S002E06P001M	Type:	Well
Description:	Not Reported	HUC:	18050004
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19510831	Well Depth:	147
Well Depth Units:	ft	Well Hole Depth:	147
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	72	Level reading date:	1981-04-27
Feet below surface:	21.5	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1980-10-15	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-04	Feet below surface:	21.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-10	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-13	Feet below surface:	31.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-22	Feet below surface:	24.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-15	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-13	Feet below surface:	28.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-20	Feet below surface:	27.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-22	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-03	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-02	Feet below surface:	24.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-06	Feet below surface:	25.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-16	Feet below surface:	26.6
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1977-12-09	Feet below surface:	35.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-03	Feet below surface:	35.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-13	Feet below surface:	35.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-29	Feet below surface:	30.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-15	Feet below surface:	31.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-08	Feet below surface:	28.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-20	Feet below surface:	29.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-21	Feet below surface:	30.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-23	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-22	Feet below surface:	32.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-17	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-26	Feet below surface:	33.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-06	Feet below surface:	33.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-16	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-27	Feet below surface:	32.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-28	Feet below surface:	31.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-10	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-11	Feet below surface:	29.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-27	Feet below surface:	29.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-15	Feet below surface:	30.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-25	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1974-09-16	Feet below surface:	29.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-25	Feet below surface:	23.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-12	Feet below surface:	28.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-16	Feet below surface:	32.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-02	Feet below surface:	44.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-03	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-13	Feet below surface:	37.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-23	Feet below surface:	38.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-28	Feet below surface:	42.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-30	Feet below surface:	43.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-17	Feet below surface:	80.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-24	Feet below surface:	69.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-22	Feet below surface:	60.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-12	Feet below surface:	65.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-03	Feet below surface:	62.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-24	Feet below surface:	74.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-14	Feet below surface:	65.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-25	Feet below surface:	68.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-29	Feet below surface:	69.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-18	Feet below surface:	65.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-20	Feet below surface:	71.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-03-21	Feet below surface:	73.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-11-08	Feet below surface:	84.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-10-11	Feet below surface:	87.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-28	Feet below surface:	77.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-14	Feet below surface:	82.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-07	Feet below surface:	76.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-08-31	Feet below surface:	75.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-08-20	Feet below surface:	75.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-08-06	Feet below surface:	75.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-07-16	Feet below surface:	75.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-07-02	Feet below surface:	74.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-06-11	Feet below surface:	74.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-28	Feet below surface:	73.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-09-28	Feet below surface:	80.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-16	Feet below surface:	65.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-05	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported

D14
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00001898**

Well ID:	USGS-374153121475201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374153121475201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374153121475201&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D15
ESE **CA WELLS** **CAUSGS000001889**
1/2 - 1 Mile
Lower

16
SE **CA WELLS** **CADWR0000033555**
1/2 - 1 Mile
Lower

Well ID:	03S02E06P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S02E06P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S02E06P001M&store_num=		
GeoTracker Data:	Not Reported		

E17
SW **CA WELLS** **CADWR9000037134**
1/2 - 1 Mile
Lower

State Well #:	03S01E01P002M	Station ID:	46342
Well Name:	3S/1E 1P 2	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	50	Well Completion Rpt #:	107417

E18
SW **CA WELLS** **CAUSGSN00001628**
1/2 - 1 Mile
Lower

Well ID:	USGS-374147121485401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374147121485401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374147121485401&store_num=		
GeoTracker Data:	Not Reported		

E19
SW **FED USGS** **USGS40000184975**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001E01P002M	Type:	Well
Description:	Not Reported	HUC:	18050004
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19751112	Well Depth:	50

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Well Depth Units:	ft	Well Hole Depth:	50
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	153	Level reading date:	1982-01-29
Feet below surface:	23.5	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1982-01-18	Feet below surface:	23.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-11	Feet below surface:	23.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-04	Feet below surface:	25.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-28	Feet below surface:	28.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-21	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-17	Feet below surface:	28.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-07	Feet below surface:	27.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-30	Feet below surface:	27.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-23	Feet below surface:	26.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-10	Feet below surface:	26.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-09	Feet below surface:	28.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-02	Feet below surface:	27.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-26	Feet below surface:	27.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-19	Feet below surface:	27.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-13	Feet below surface:	27.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-05	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-29	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-31	Feet below surface:	28.3
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1981-08-27	Feet below surface:	28.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-03	Feet below surface:	28.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-29	Feet below surface:	28.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-01	Feet below surface:	28.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-26	Feet below surface:	28.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-19	Feet below surface:	28.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-12	Feet below surface:	28.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-05	Feet below surface:	28.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-28	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-21	Feet below surface:	27.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-14	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-07	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-31	Feet below surface:	26.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-24	Feet below surface:	26.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-17	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-10	Feet below surface:	26.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-06	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-03	Feet below surface:	26.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-25	Feet below surface:	26.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-17	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-10	Feet below surface:	26.6
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1981-02-03	Feet below surface:	26.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-27	Feet below surface:	28.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-19	Feet below surface:	28.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-12	Feet below surface:	28.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-05	Feet below surface:	28.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-29	Feet below surface:	29.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-22	Feet below surface:	28.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-16	Feet below surface:	28.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-12	Feet below surface:	28.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-09	Feet below surface:	28.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-02	Feet below surface:	28.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-25	Feet below surface:	28.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-18	Feet below surface:	28.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-10	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-03	Feet below surface:	27.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-20	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-06	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-01	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-22	Feet below surface:	25.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-09	Feet below surface:	24.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-25	Feet below surface:	23.8
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1980-08-19	Feet below surface:	23.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-12	Feet below surface:	22.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-28	Feet below surface:	20.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-14	Feet below surface:	16.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-23	Feet below surface:	15.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-09	Feet below surface:	15.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-26	Feet below surface:	15.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-12	Feet below surface:	16.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-06	Feet below surface:	16.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-27	Feet below surface:	16.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-14	Feet below surface:	17.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-31	Feet below surface:	17.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-17	Feet below surface:	17.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-03	Feet below surface:	17.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-29	Feet below surface:	17.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-18	Feet below surface:	19.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-04	Feet below surface:	20.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-21	Feet below surface:	19.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-07	Feet below surface:	22.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-24	Feet below surface:	22.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-10	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1979-11-28	Feet below surface:	22.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-26	Feet below surface:	22.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-13	Feet below surface:	22.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-29	Feet below surface:	21.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-15	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-10	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-24	Feet below surface:	22.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-17	Feet below surface:	22.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-13	Feet below surface:	22.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-10	Feet below surface:	22.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-06	Feet below surface:	22.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-04	Feet below surface:	22.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-30	Feet below surface:	22.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-28	Feet below surface:	22.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-13	Feet below surface:	26.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-02	Feet below surface:	25.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-30	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-09	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-25	Feet below surface:	24.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-18	Feet below surface:	24.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-05	Feet below surface:	24.5
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1979-06-04	Feet below surface:	24.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-21	Feet below surface:	24.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-07	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-30	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-26	Feet below surface:	24.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-17	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-09	Feet below surface:	24.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-02	Feet below surface:	23.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-27	Feet below surface:	23.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-23	Feet below surface:	23.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-12	Feet below surface:	23.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-27	Feet below surface:	22.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-20	Feet below surface:	24.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-13	Feet below surface:	25.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-06	Feet below surface:	24.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-05	Feet below surface:	24.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-30	Feet below surface:	24.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-23	Feet below surface:	22.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-16	Feet below surface:	22.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-08	Feet below surface:	26.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-05	Feet below surface:	25.2
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1978-10-02	Feet below surface:	24.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-04	Feet below surface:	24.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-06	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-02	Feet below surface:	21.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-14	Feet below surface:	18.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-05	Feet below surface:	23.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-14	Feet below surface:	23.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-29	Feet below surface:	24.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-22	Feet below surface:	24.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-14	Feet below surface:	25.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-05	Feet below surface:	23.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-29	Feet below surface:	23.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-16	Feet below surface:	21.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-02	Feet below surface:	21.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-21	Feet below surface:	21.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-06	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-09	Feet below surface:	21.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-14	Feet below surface:	20.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-02	Feet below surface:	23.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-10	Feet below surface:	25.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-14	Feet below surface:	24.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-06-07	Feet below surface:	25.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-11	Feet below surface:	25.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-14	Feet below surface:	24.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-09	Feet below surface:	23.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-20	Feet below surface:	25.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-10	Feet below surface:	25.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-30	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-11	Feet below surface:	23.3
Feet to sea level:	Not Reported	Note:	Not Reported

E20
SW
1/2 - 1 Mile
Lower

CA WELLS **CALLNL000000305**

Well ID:	103559	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	03S/01E-01P02 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Calcium	Results:	68
Units:	MG/L	Date:	11/09/2005
Chemical:	Magnesium	Results:	46.4
Units:	MG/L	Date:	11/09/2005
Chemical:	Potassium	Results:	2.32
Units:	MG/L	Date:	11/09/2005
Chemical:	Nitrogen, Nitrate (as N)	Results:	1.4
Units:	MG/L	Date:	11/09/2005
Chemical:	Chloride	Results:	214.5
Units:	MG/L	Date:	11/09/2005
Chemical:	Sulfate	Results:	88.8
Units:	MG/L	Date:	11/09/2005
Chemical:	Fluoride	Results:	.5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Units:	MG/L	Date:	11/09/2005
Chemical:	Sodium	Results:	211
Units:	MG/L	Date:	11/09/2005
Chemical:	Ammonia-Ammonium (NH3-NH4) as N		
Results:	-.01	Units:	MG/L
Date:	11/09/2005		
Chemical:	Nitrite	Results:	-.01
Units:	MG/L	Date:	11/09/2005

F21
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000184927**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001E12A002M	Type:	Well
Description:	Not Reported	HUC:	18050004
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19751105	Well Depth:	68.7
Well Depth Units:	ft	Well Hole Depth:	75
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	62	Level reading date:	1981-12-21
Feet below surface:	37.4	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1981-11-18	Feet below surface:	40.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-02	Feet below surface:	40.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-01	Feet below surface:	39.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-29	Feet below surface:	40.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-27	Feet below surface:	39.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-02	Feet below surface:	38.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-07	Feet below surface:	37.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-14	Feet below surface:	37.2
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1981-03-06	Feet below surface:	36.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-12	Feet below surface:	37.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-21	Feet below surface:	34.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-08	Feet below surface:	34.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-19	Feet below surface:	32.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-25	Feet below surface:	29.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-07	Feet below surface:	28.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-14	Feet below surface:	31.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-10	Feet below surface:	34.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-28	Feet below surface:	38.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-11	Feet below surface:	37.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-24	Feet below surface:	35.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-17	Feet below surface:	34.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-13	Feet below surface:	33.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-10	Feet below surface:	33.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-06	Feet below surface:	32.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-04	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-30	Feet below surface:	30.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-28	Feet below surface:	30.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-31	Feet below surface:	38.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-05	Feet below surface:	36.4
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1979-05-04	Feet below surface:	36.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-13	Feet below surface:	36.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-05	Feet below surface:	38.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-16	Feet below surface:	41.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-08	Feet below surface:	43.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-05	Feet below surface:	39.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-04	Feet below surface:	43.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-07	Feet below surface:	42.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-06	Feet below surface:	41.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-02	Feet below surface:	38.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-14	Feet below surface:	41.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-06	Feet below surface:	44.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-20	Feet below surface:	51.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-29	Feet below surface:	50.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-22	Feet below surface:	50.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-15	Feet below surface:	49.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-12	Feet below surface:	47.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-29	Feet below surface:	46.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-16	Feet below surface:	45.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-02	Feet below surface:	41.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-21	Feet below surface:	46.25
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-12-06	Feet below surface:	42.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-09	Feet below surface:	48.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-14	Feet below surface:	48.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-03	Feet below surface:	45.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-11	Feet below surface:	37.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-15	Feet below surface:	47.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-08	Feet below surface:	45.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-10	Feet below surface:	43.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-13	Feet below surface:	41.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-09	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-20	Feet below surface:	33.9
Feet to sea level:	Not Reported	Note:	Not Reported

F22
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00018312**

Well ID:	USGS-374132121483201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374132121483201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374132121483201&store_num=		
GeoTracker Data:	Not Reported		

F23
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000037084**

State Well #:	03S01E12A002M	Station ID:	46396
Well Name:	3S/1E 12A 2	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	69	Well Completion Rpt #:	261450

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
FED USGS	**USGS40000184946**

G24
SW
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S001E12C001M	Type:	Well
Description:	Not Reported	HUC:	18050004
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19500701	Well Depth:	268
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	43	Level reading date:	1980-03-10
Feet below surface:	83.6	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1979-10-11	Feet below surface:	109.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-05	Feet below surface:	97.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-14	Feet below surface:	99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-16	Feet below surface:	87.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-02	Feet below surface:	92.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-18	Feet below surface:	99.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-20	Feet below surface:	110.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-25	Feet below surface:	115.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-08	Feet below surface:	111.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-06	Feet below surface:	109.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-20	Feet below surface:	114.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-29	Feet below surface:	136.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-15	Feet below surface:	115.0
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1977-03-08	Feet below surface:	135.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-11	Feet below surface:	104.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-15	Feet below surface:	128.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-26	Feet below surface:	98.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-16	Feet below surface:	127.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-25	Feet below surface:	104.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-24	Feet below surface:	129.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-21	Feet below surface:	104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-29	Feet below surface:	144.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-14	Feet below surface:	132.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-07	Feet below surface:	142.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-28	Feet below surface:	144.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-30	Feet below surface:	149.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-10	Feet below surface:	146.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-07	Feet below surface:	142.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-14	Feet below surface:	121.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-24	Feet below surface:	122.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-24	Feet below surface:	113.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-23	Feet below surface:	122.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-30	Feet below surface:	147.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-02-27	Feet below surface:	138.8
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1962-03-30	Feet below surface:	130.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-10-04	Feet below surface:	155.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-05-02	Feet below surface:	139.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-24	Feet below surface:	118.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-14	Feet below surface:	131.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-13	Feet below surface:	130.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-18	Feet below surface:	111.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-16	Feet below surface:	115.2
Feet to sea level:	Not Reported	Note:	Not Reported

G25
SW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00012710**

Well ID:	USGS-374137121485101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374137121485101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374137121485101&store_num=		
GeoTracker Data:	Not Reported		

H26
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000184943**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S002E07C002M	Type:	Well
Description:	Not Reported	HUC:	18050004
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19770914	Well Depth:	49
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	91	Level reading date:	1981-12-21
Feet below surface:	28.4	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1981-12-08	Feet below surface:	28.4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-02	Feet below surface:	28.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-29	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-31	Feet below surface:	28.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-11	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-03	Feet below surface:	27.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-29	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-02	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-01	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-20	Feet below surface:	27.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-22	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-25	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-26	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-28	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-27	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-30	Feet below surface:	27.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-17	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-03	Feet below surface:	27.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-12	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-24	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-14	Feet below surface:	26.8
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1980-09-29	Feet below surface:	26.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-26	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-15	Feet below surface:	26.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-02	Feet below surface:	26.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-18	Feet below surface:	25.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-06	Feet below surface:	25.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-21	Feet below surface:	25.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-15	Feet below surface:	25.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-02	Feet below surface:	25.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-16	Feet below surface:	24.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-02	Feet below surface:	24.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-23	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-15	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-04	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-20	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-07	Feet below surface:	24.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-24	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-10	Feet below surface:	25.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-25	Feet below surface:	26.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-11	Feet below surface:	26.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-28	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1980-01-23	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-31	Feet below surface:	28.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-03	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-19	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-05	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-22	Feet below surface:	28.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-19	Feet below surface:	27.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-08	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-24	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-10	Feet below surface:	27.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-06	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-04	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-30	Feet below surface:	27.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-27	Feet below surface:	27.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-13	Feet below surface:	27.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-07	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-30	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-09	Feet below surface:	26.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-25	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-18	Feet below surface:	26.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-14	Feet below surface:	26.3
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1979-06-04	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-21	Feet below surface:	25.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-07	Feet below surface:	25.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-30	Feet below surface:	25.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-26	Feet below surface:	25.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-17	Feet below surface:	25.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-09	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-02	Feet below surface:	26.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-27	Feet below surface:	26.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-23	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-12	Feet below surface:	26.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-27	Feet below surface:	27.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-20	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-15	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-13	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-06	Feet below surface:	27.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-30	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-23	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-16	Feet below surface:	28.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-08	Feet below surface:	28.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-13	Feet below surface:	28.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-08-03	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-20	Feet below surface:	26.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-02	Feet below surface:	26.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-06	Feet below surface:	28.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-17	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-14	Feet below surface:	34.3
Feet to sea level:	Not Reported	Note:	Not Reported

H27
SE
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00006752**

Well ID:	USGS-374136121474901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374136121474901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374136121474901&store_num=		
GeoTracker Data:	Not Reported		

H28
SE
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000037097**

State Well #:	03S02E07C002M	Station ID:	46439
Well Name:	3S/2E 7C 2	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	49	Well Completion Rpt #:	253972

29
WSW
1/2 - 1 Mile
Lower

AQUIFLOW **53517**

Site ID:	Not Reported
Groundwater Flow:	SW
Shallow Water Depth:	33
Deep Water Depth:	37
Average Water Depth:	Not Reported
Date:	05/31/1991

30
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000037171**

State Well #:	03S01E02J003M	Station ID:	46345
Well Name:	3S/1E 2J 3	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	65	Well Completion Rpt #:	568117

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I31
SSE
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000184914**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S002E07C001M	Type:	Well
Description:	Not Reported	HUC:	18050004
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19401001	Well Depth:	280
Well Depth Units:	ft	Well Hole Depth:	280
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	100	Level reading date:	1981-12-21
Feet below surface:	28.4	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1981-12-08	Feet below surface:	9.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-02	Feet below surface:	28.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-29	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-11	Feet below surface:	10.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-31	Feet below surface:	28.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-03	Feet below surface:	27.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-29	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-09	Feet below surface:	8.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-02	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-01	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-20	Feet below surface:	27.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-22	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-30	Feet below surface:	7.3
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1981-03-25	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-26	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-28	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-27	Feet below surface:	27.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-30	Feet below surface:	27.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-17	Feet below surface:	27.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-10	Feet below surface:	8.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-03	Feet below surface:	27.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-12	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-24	Feet below surface:	27.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-14	Feet below surface:	26.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-09	Feet below surface:	8.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-29	Feet below surface:	26.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-26	Feet below surface:	26.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-15	Feet below surface:	26.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-12	Feet below surface:	7.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-02	Feet below surface:	26.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-18	Feet below surface:	25.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-06	Feet below surface:	25.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-21	Feet below surface:	25.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-15	Feet below surface:	25.2
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1980-07-08	Feet below surface:	6.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-02	Feet below surface:	25.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-25	Feet below surface:	6.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-16	Feet below surface:	24.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-02	Feet below surface:	24.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-23	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-19	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-04	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-20	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-07	Feet below surface:	3.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-04	Feet below surface:	10.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-17	Feet below surface:	6.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-07	Feet below surface:	10.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-20	Feet below surface:	11.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-16	Feet below surface:	9.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-03	Feet below surface:	19.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-16	Feet below surface:	36.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-05	Feet below surface:	18.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-11	Feet below surface:	9.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-23	Feet below surface:	13.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-25	Feet below surface:	7.5
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1974-09-16	Feet below surface:	12.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-25	Feet below surface:	6.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-24	Feet below surface:	12.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-16	Feet below surface:	13.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-02	Feet below surface:	29.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-03	Feet below surface:	15.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-13	Feet below surface:	21.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-23	Feet below surface:	24.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-28	Feet below surface:	26.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-30	Feet below surface:	25.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-07	Feet below surface:	38.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-08	Feet below surface:	50.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-26	Feet below surface:	50.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-22	Feet below surface:	51.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-26	Feet below surface:	58.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-03	Feet below surface:	53.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-03	Feet below surface:	55.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-24	Feet below surface:	54.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-14	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-25	Feet below surface:	56.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-29	Feet below surface:	62.4
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1964-03-18	Feet below surface:	53.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-25	Feet below surface:	56.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-18	Feet below surface:	60.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-07	Feet below surface:	65.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-28	Feet below surface:	61.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-09-28	Feet below surface:	61.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-27	Feet below surface:	52.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-22	Feet below surface:	51.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-15	Feet below surface:	35.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-05	Feet below surface:	39.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-03	Feet below surface:	17.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-22	Feet below surface:	18.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-20	Feet below surface:	13.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-17	Feet below surface:	33.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-26	Feet below surface:	20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-17	Feet below surface:	21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-27	Feet below surface:	13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-04	Feet below surface:	36.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-26	Feet below surface:	17.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-09	Feet below surface:	41.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-11	Feet below surface:	33.6
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1949-11-18	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-29	Feet below surface:	28.5
Feet to sea level:	Not Reported	Note:	Not Reported

I32
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00009980**

Well ID:	USGS-374127121480301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-374127121480301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-374127121480301&store_num=		
GeoTracker Data:	Not Reported		

J33
South
1/2 - 1 Mile
Lower

CA WELLS **CALLNL000000212**

Well ID:	101194	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	03S/01E-12H04 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Tritium (Hydrogen 3)	Results:	19.57
Units:	pCi/L	Date:	01/09/2002
Chemical:	Neon	Results:	.000000423227
Units:	cm3STP/g	Date:	02/13/2002
Chemical:	Helium-3/Helium-4	Results:	.00000150003
Units:	atom ratio	Date:	02/13/2002
Chemical:	Xenon	Results:	.0000000126573
Units:	cm3STP/g	Date:	02/13/2002
Chemical:	Argon	Results:	.000461887
Units:	cm3STP/g	Date:	02/13/2002
Chemical:	Helium-4	Results:	.000000101973
Units:	cm3STP/g	Date:	02/13/2002
Chemical:	Krypton	Results:	.0000000919706
Units:	cm3STP/g	Date:	02/13/2002

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J34
South
1/2 - 1 Mile
Lower

CA WELLS **CALLNL000000505**

Well ID:	101195	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	03S/01E-12H05 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Helium-4	Results:	.000000130859
Units:	cm3STP/g	Date:	02/13/2002
Chemical:	Neon	Results:	.000000534113
Units:	cm3STP/g	Date:	02/13/2002
Chemical:	Helium-3/Helium-4	Results:	.00000143862
Units:	atom ratio	Date:	02/13/2002
Chemical:	Argon	Results:	.000562814
Units:	cm3STP/g	Date:	02/13/2002
Chemical:	Tritium (Hydrogen 3)	Results:	16.1
Units:	pCi/L	Date:	01/09/2002
Chemical:	Krypton	Results:	.000000108033
Units:	cm3STP/g	Date:	02/13/2002

K35
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000037151**

State Well #:	03S01E02J002M	Station ID:	46344
Well Name:	3S/1E 2J 2	Basin Name:	Livermore Valley
Well Use:	Observation	Well Type:	Single Well
Well Depth:	41	Well Completion Rpt #:	568116

36
SW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000024730**

Well ID:	03S01E12C001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S01E12C001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S01E12C001M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
K37 WSW 1/2 - 1 Mile Lower	**CA WELLS**	**CALLNL000000048**

Well ID:	103560	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	03S/01E-02J02 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Ammonia-Ammonium (NH3-NH4) as N		
Results:	-.01	Units:	MG/L
Date:	11/09/2005		

Chemical:	Nitrogen, Nitrate (as N)	Results:	2.629
Units:	MG/L	Date:	11/09/2005

Chemical:	Sodium	Results:	437.3
Units:	MG/L	Date:	11/09/2005

Chemical:	Calcium	Results:	128.34
Units:	MG/L	Date:	11/09/2005

Chemical:	Fluoride	Results:	.1
Units:	MG/L	Date:	11/09/2005

Chemical:	Potassium	Results:	2.4
Units:	MG/L	Date:	11/09/2005

Chemical:	Magnesium	Results:	70.5
Units:	MG/L	Date:	11/09/2005

Chemical:	Sulfate	Results:	174.4
Units:	MG/L	Date:	11/09/2005

Chemical:	Nitrite	Results:	-.01
Units:	MG/L	Date:	11/09/2005

Chemical:	Chloride	Results:	586.6
Units:	MG/L	Date:	11/09/2005

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1G **WSW** **1/2 - 1 Mile** **Lower**	Site ID:	Not Reported	**AQUIFLOW**	**53517**
	Groundwater Flow:	SW		
	Shallow Water Depth:	33		
	Deep Water Depth:	37		
	Average Water Depth:	Not Reported		
	Date:	05/31/1991		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94551	7	0

Federal EPA Radon Zone for ALAMEDA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ALAMEDA COUNTY, CA

Number of sites tested: 49

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.776 pCi/L	100%	0%	0%
Living Area - 2nd Floor	-0.400 pCi/L	100%	0%	0%
Basement	1.338 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C

REGULATORY RECORDS SEARCH

APPENDIX C-1

REGULATORY RECORDS SEARCH

CALIFORNIA STATE
REGIONAL WATER QUALITY CONTROL BOARD

Hagop Tatian

From: Hagop Tatian
Sent: Tuesday, December 20, 2022 10:30 AM
To: Wong, Melinda@Waterboards
Subject: Public Record Request: 2620 & 2768 Collier Canyon Rd, Livermore, CA 94551

To: RWQCB – San Francisco Bay Region

KCE Matrix would like to inquire if the RWQCB agency maintains any records and/or documentation with regard to Underground Storage Tanks (USTs), Hazardous Materials (HAZMAT) and/or associated environmental assessment or remediation documentation for the following property:

2620 & 2768 Collier Canyon Road
Livermore, CA 94551
(APNs: 905-15-8, 905-15-26, 905-15-27, 905-15-28 & 905-15-29)

If the waterboard does maintain such records, please advise as to the necessary procedure to obtain such records from your office.

Should you have any questions or require additional information, please do not hesitate to contact our office at (818) 559 5500.

Thank you.

Sincerely,

Hagop Tatian

KCE Matrix, Inc.
1112 W. Burbank Blvd., Suite 301
Burbank, CA 91506
(818) 559 5500 phone
(818) 559 5511 fax
hagop@kcematrixinc.com

Hagop Tatian

From: Wong, Melinda@Waterboards <Melinda.Wong@waterboards.ca.gov>
Sent: Friday, December 23, 2022 3:29 PM
To: Hagop Tatian
Subject: RE: PRA 22-0349 Record Request: 2620 & 2768 Collier Canyon Rd, Livermore, CA 94551

Hello Hagop,

The San Francisco Bay Regional Water Board received your December 20, 2022 file review request, which seeks records related to the addresses as described below. Based on a thorough search, the San Francisco Bay Water Board does not possess any records responsive to your request.

I would recommend contacting the local agency, Alameda County Health Department, LOP for any further information they may have.

Thank you and happy holidays!

Melinda Wong
Management Services Division
San Francisco Bay Water Board
1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: (510) 622-2430
Email: mwong@waterboards.ca.gov
Fax: (510) 622-2095 direct line for Public Records Act request
PRA Request Email: RB2-PRA-Request@Waterboards.ca.gov

From: Hagop Tatian <hagop@kcematrixinc.com>
Sent: Tuesday, December 20, 2022 10:30 AM
To: Wong, Melinda@Waterboards <Melinda.Wong@waterboards.ca.gov>
Subject: Public Record Request: 2620 & 2768 Collier Canyon Rd, Livermore, CA 94551

EXTERNAL:

To: RWQCB – San Francisco Bay Region

KCE Matrix would like to inquire if the RWQCB agency maintains any records and/or documentation with regard to Underground Storage Tanks (USTs), Hazardous Materials (HAZMAT) and/or associated environmental assessment or remediation documentation for the following property:

2620 & 2768 Collier Canyon Road
Livermore, CA 94551
(APNs: 905-15-8, 905-15-26, 905-15-27, 905-15-28 & 905-15-29)

If the waterboard does maintain such records, please advise as to the necessary procedure to obtain such records from your office.

Should you have any questions or require additional information, please do not hesitate to contact our office at (818) 559 5500.

Thank you.

Sincerely,

Hagop Tatian

KCE Matrix, Inc.
1112 W. Burbank Blvd., Suite 301
Burbank, CA 91506
(818) 559 5500 phone
(818) 559 5511 fax
hagop@kcematrixinc.com

APPENDIX C-2

REGULATORY RECORDS SEARCH

CALIFORNIA STATE
DEPARTMENT OF TOXIC SUBSTANCE CONTROL

Hagop Tatian

From: Hagop Tatian
Sent: Tuesday, December 20, 2022 10:32 AM
To: BerkeleyFileRoom@DTSC
Subject: Public Record Request: 2620 & 2768 Collier Canyon Rd, Livermore, CA 94551

To: DTSC – Berkeley Office/File Room

KCE Matrix would like to inquire if the DTSC maintains any records and/or documentation with regard to Underground Storage Tanks (USTs), Hazardous Materials (HAZMAT) and/or associated environmental assessment or remediation documentation for the following property:

2620 & 2768 Collier Canyon Road
Livermore, CA 94551
(APNs: 905-15-8, 905-15-26, 905-15-27, 905-15-28 & 905-15-29)

If the DTSC does maintain such records, please advise as to the necessary procedure to obtain such records from your office.

Should you have any questions or require additional information, please do not hesitate to contact our office at (818) 559 5500.

Thank you.

Sincerely,

Hagop Tatian

KCE Matrix, Inc.
1112 W. Burbank Blvd., Suite 301
Burbank, CA 91506
(818) 559 5500 phone
(818) 559 5511 fax
hagop@kcematrixinc.com

December 29, 2022

Mr. Hagop Tatian
KCE Matrix, Inc.
hagop@kcematrixinc.com

Public Records Request Number: PR2-122022-02

Location: 2620 & 2768 Collier Canyon Road
Livermore, CA 94551
APNs: 905-15-8, 905-15-26, 905-15-27, 905-15-28, & 905-15-29

Dear Mr. Tatian:

We have received your Public Records Act Request at the Department of Toxic Substances Control (DTSC). Upon thorough review of our files, we found no records pertaining to the site(s) referenced above.

For information regarding public reports on hazardous waste shipments of generators, transporters, and TSDFs, you can access our Hazardous Waste Tracking System (HWTS) online at: https://hwts.dtsc.ca.gov/. Select the “Reports” tab for search options. If you are interested in retrieving detailed reports, please contact the HWTS unit via e-mail: hwtsreports@dtsc.ca.gov or phone: 1-800-618-6942. Customized reports may require a fee. For copies of manifests, please send an e-mail to mcr@dtsc.ca.gov.

In addition, the DTSC provides access to public records online via EnviroStor; another data management system that tracks our efforts in cleanup, permitting, enforcement, and investigation of known/suspected hazardous waste sites and facilities. The available data is updated in real-time. You can access Envirostor online at www.envirostor.dtsc.ca.gov. Navigate the website easily by clicking the "How to Use EnviroStor" tab, then selecting the option “Take a Tour.”

If you have any questions or would like further information regarding your request, please contact me via phone: 510-540-3800 or e-mail: Berkeleyfileroom@dtsc.ca.gov.

Best regards,

(Rose) Ann Reeser

(Rose) Ann Reeser
Regional Records Coordinator
DTSC Berkeley Regional Office
Department of Toxic Substances Control
700 Heinz Ave., Berkeley, California 94710-2721
California Environmental Protection Agency

Yana Garcia
Secretary for
Environmental Protection

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Gavin Newsom
Governor

EXHIBIT B

Facility Search Results

Selection Criteria:

Facility:	
Search on:	Physical Address
Street:	2768
Zip:	94551
Status:	Active and Inactive
Sort Direction:	asc
Sorted By:	EPA ID
Records Found:	1

EPA ID Number	Name	Address	City	Zip
CAC003045840	PACIFIC WEST COMMUNITIES, INC.	2768 COLLIER CANYON RD	LIVERMORE	945519288

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 12/22/2022

Yana Garcia
Secretary for
Environmental Protection

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Gavin Newsom
Governor

EXHIBIT B

EPA ID PROFILE

Map

ID Number: CAC003045840
Name: PACIFIC WEST COMMUNITIES, INC.
County: ALAMEDA
NAICS: 236220

Status: INACTIVE
Inactive Date: 3/4/2020 3:49:30 PM
Record Entered: 12/4/2019 3:49:30 PM
Last Updated: 3/5/2020 3:00:19 AM

	Name	Address	City	State	Zip Code	Phone
Location	PACIFIC WEST COMMUNITIES, INC.	2768 COLLIER CANYON RD	LIVERMORE	CA	945519288	
Mailing		430 E STATE STREET #100	EAGLE	ID	83616	
Owner	PACIFIC WEST COMMUNITIES, INC.	430 E STATE STREET #100	EAGLE	ID	83616	2084610022
Operator/Contact	DON SLATTERY	430 E STATE STREET #100	EAGLE	ID	83616	2084610022

Based Only Upon ID Number: **CAC003045840**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
N/A	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

No Records Found

Non California Manifest Total Tonnage

No Records Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 12/22/2022

APPENDIX C-3

REGULATORY RECORDS SEARCH

ALAMEDA COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

Hagop Tatian

From: Dooha-Chambers, Joel, Env. Health <Joel.Dooha-Chambers2@acgov.org>
Sent: Tuesday, December 20, 2022 3:26 PM
To: Hagop Tatian
Subject: Re: PRA Request

Thank you for contacting Alameda County Department of Environmental Health (ACDEH) Certified Unified Program Agency (CUPA) for your Public Records Act Request.

We have no ACDEH CUPA records for the address(es) you requested.

Please note that ACDEH CUPA only has files for sites within its jurisdiction and some cities within Alameda County are not part of the ACDEH CUPA jurisdiction. In those cases we advise that you contact the Fire or Planning Department of that city for any records. **Please view our Jurisdiction List in this link:**
https://deh.acgov.org/hazmat-assets/docs/CUPA-jurisdictions.pdf

In addition, ACDEH has other divisions which may have records for the requested address(es). I have listed the divisions below and who to contact to acquire records if relevant.

- Solid/Medical Waste

  Contact: LaTresca Porter at latresca.porter@acgov.org

- Operations Division (retail food, recreation, and tattoo parlors)

  Contact: dehwebmain@acgov.org

- Vector Control Division

  Contact: Daniel Wilson at daniel.wilson@acgov.org

- Land and Water Division (Local Oversite Program (LOP) and Onsite Wastewater Treatment Systems)

  The links listed below may be helpful to gather information on LOP sites. The search on the geotracker link may be conducted by address or site name. If you cannot find documents you are searching for then please contact LOP directly.
  Contact: deh.loptoxic@acgov.org
  https://deh.acgov.org/landwater/index.page
  http://geotracker.waterboards.ca.gov/

Due to the COVID-19 pandemic, all requested files are provided electronically.
However, once the precautionary measures related to COVID-19 are lifted, our office may make files available by appointment for review on Thursdays and Fridays from 9:00 AM until 12:00 noon. We will keep our requestors aware of this situation as it progresses.

Please send all future requests to dehcupafilereview@acgov.org.

Please reach out to us if you have any further questions or clarifications.

Thank you,
Joel Dooha-Chambers

Specialist Clerk I- Alameda County CUPA
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510.567.6702 (x36702)
QIC: 30440
http://deh.acgov.org/

From: dehwebmain, Env. Health Mailbox <dehwebmain@acgov.org>
Sent: Tuesday, December 20, 2022 12:11 PM
To: dehcupafilereview, Env. Health <dehcupafilereview@acgov.org>
Subject: FW:

From: acgovnoreply <acgovnoreply@acgov.org>
Sent: Tuesday, December 20, 2022 10:35 AM
To: dehwebmain, Env. Health Mailbox <dehwebmain@acgov.org>
Subject:

E-mail submitted from: Alameda County Environmental Health

Assessor Parcel Number:	905-15-8
Property Address Number:	2768
Property Address Street:	COLLIER CANYON RD
Property Address City:	LIVERMORE
Contact Full Name:	Hagop T
Contact Email:	hagop@kcematrixinc.com
Reason for Request:	Phase I - ESA

Hagop Tatian

From: Dooha-Chambers, Joel, Env. Health <Joel.Dooha-Chambers2@acgov.org>
Sent: Tuesday, December 20, 2022 3:44 PM
To: Hagop Tatian
Subject: Re: PRA Request

Thank you for contacting Alameda County Department of Environmental Health (ACDEH) Certified Unified Program Agency (CUPA) for your Public Records Act Request.

We have no ACDEH CUPA records for the address(es) you requested.

Please note that ACDEH CUPA only has files for sites within its jurisdiction and some cities within Alameda County are not part of the ACDEH CUPA jurisdiction. In those cases we advise that you contact the Fire or Planning Department of that city for any records. **Please view our Jurisdiction List in this link:**
https://deh.acgov.org/hazmat-assets/docs/CUPA-jurisdictions.pdf

In addition, ACDEH has other divisions which may have records for the requested address(es). I have listed the divisions below and who to contact to acquire records if relevant.

- Solid/Medical Waste

  Contact: LaTresca Porter at latresca.porter@acgov.org

- Operations Division (retail food, recreation, and tattoo parlors)

  Contact: dehwebmain@acgov.org

- Vector Control Division

  Contact: Daniel Wilson at daniel.wilson@acgov.org

- Land and Water Division (Local Oversite Program (LOP) and Onsite Wastewater Treatment Systems)

  The links listed below may be helpful to gather information on LOP sites. The search on the geotracker link may be conducted by address or site name. If you cannot find documents you are searching for then please contact LOP directly.
  Contact: deh.loptoxic@acgov.org
  https://deh.acgov.org/landwater/index.page
  http://geotracker.waterboards.ca.gov/

Due to the COVID-19 pandemic, all requested files are provided electronically. However, once the precautionary measures related to COVID-19 are lifted, our office may make files available by appointment for review on Thursdays and Fridays from 9:00 AM until 12:00 noon. We will keep our requestors aware of this situation as it progresses.

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Please reach out to us if you have any further questions or clarifications.

Thank you,
Joel Dooha-Chambers

Specialist Clerk I- Alameda County CUPA
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510.567.6702 (x36702)
QIC: 30440
http://deh.acgov.org/

From: dehwebmain, Env. Health Mailbox <dehwebmain@acgov.org>
Sent: Tuesday, December 20, 2022 12:11 PM
To: dehcupafilereview, Env. Health <dehcupafilereview@acgov.org>
Subject: FW:

From: acgovnoreply <acgovnoreply@acgov.org>
Sent: Tuesday, December 20, 2022 10:36 AM
To: dehwebmain, Env. Health Mailbox <dehwebmain@acgov.org>
Subject:

E-mail submitted from: Alameda County Environmental Health

Assessor Parcel Number:	905-15-26, 905-15-27, 905-15-28 & 905-15-29
Property Address Number:	2620
Property Address Street:	COLLIER CANYON RD
Property Address City:	LIVERMORE
Contact Full Name:	Hagop T
Contact Email:	hagop@kcematrixinc.com
Reason for Request:	Phase I - ESA

APPENDIX C-4

REGULATORY RECORDS SEARCH

CITY OF LIVERMORE – CITY CLERK'S OFFICE
(FIRE DEPARTMENT)

Hagop Tatian

From: Livermore CPRA <livermoreca@govqa.us>
Sent: Tuesday, December 20, 2022 10:46 AM
To: Hagop Tatian
Subject: City Public Records Request :: R000493-122022

LIVERMORE
CALIFORNIA

(THIS IS AN AUTO-GENERATED RESPONSE FROM THE CITY OF LIVERMORE)

Dear Hagop T.:

Thank you for your interest in public records of City of Livermore. Your request has been received and is being processed in accordance with the The California Public Records Act ("CPRA") . Your request was received in this office on December 20, 2022 and given the reference number R000493-122022 for tracking purposes.

You can monitor the progress of your request in "My Request Center".

Powered by GovQA

Hagop Tatian

From: Livermore CPRA <livermoreca@govqa.us>
Sent: Tuesday, December 27, 2022 9:52 AM
To: Hagop Tatian
Subject: [Records Center] City Public Records Request :: R000493-122022

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of December 20, 2022, Reference # R000493-122022.

Dear Hagop T.,

We are treating your request as a request for public records in accordance with California Government Code Section 6250 and following (the California Public Records Act, or the "CPRA"). The CPRA requires that public agencies make reasonably identified, non-exempt public records available for inspection or provide copies upon payment of the direct costs of duplication. Specifically, you requested the following for 2620 & 2768 Collier Canyon Rd, Livermore, CA 94551 // APNs: 905-15-8, 905-15-26, 905-15-27, 905-15-28 & 905-15-29:

Request #1 - Building Records: Related to site history, including historic and current permit applications, certificates of occupancy and violations,
Request #2 - Fire Department Records: Related to documentation regarding Hazardous Materials (HAZMAT), Underground Storage Tanks (USTs) and any other environmental site assessment documentation

The CPRA obligates a public agency, within 10 days of receipt of a request, to determine whether the request seeks copies of disclosable public records and to notify the person making the request of the determination and the reasons therefore (Cal. Gov. Code § 6253(c).) This letter satisfies the City's requirement to respond to you within ten (10) days to notify you whether the records will be disclosed (Gov. Code § 6253(c).)

Responsive records for Request #1 are available on the Records Request Portal. The Fire Department is still conducting a search for Request #2. More information will be provided to you as soon the Fire Department concludes if they have responsive records. Select the link below to view your request.

City Public Records Request - R000493-122022

If you have any questions, or wish to discuss this further, please contact me.

Sincerely,

Clay James
Assistant City Clerk
City Clerk's Office

Hagop Tatian

From: Livermore CPRA <livermoreca@govqa.us>
Sent: Tuesday, December 27, 2022 12:46 PM
To: Hagop Tatian
Subject: [Records Center] City Public Records Request :: R000493-122022

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of December 20, 2022, Reference # R000493-122022.

Dear Hagop T.,

The Fired Department has conducted a search on the requested addresses. No responsive records have been identified for hazardous materials (HAZMAT), underground storage tanks (USTs) and any other environmental site assessment documentation.

As mentioned previously, building records related to site history, including historic and current permit applications, certificates of occupancy and violations are available and can be found by clicking the link below:

City Public Records Request - R000493-122022

The City will now consider your request closed. If you have any questions, or wish to discuss this further, please contact me.

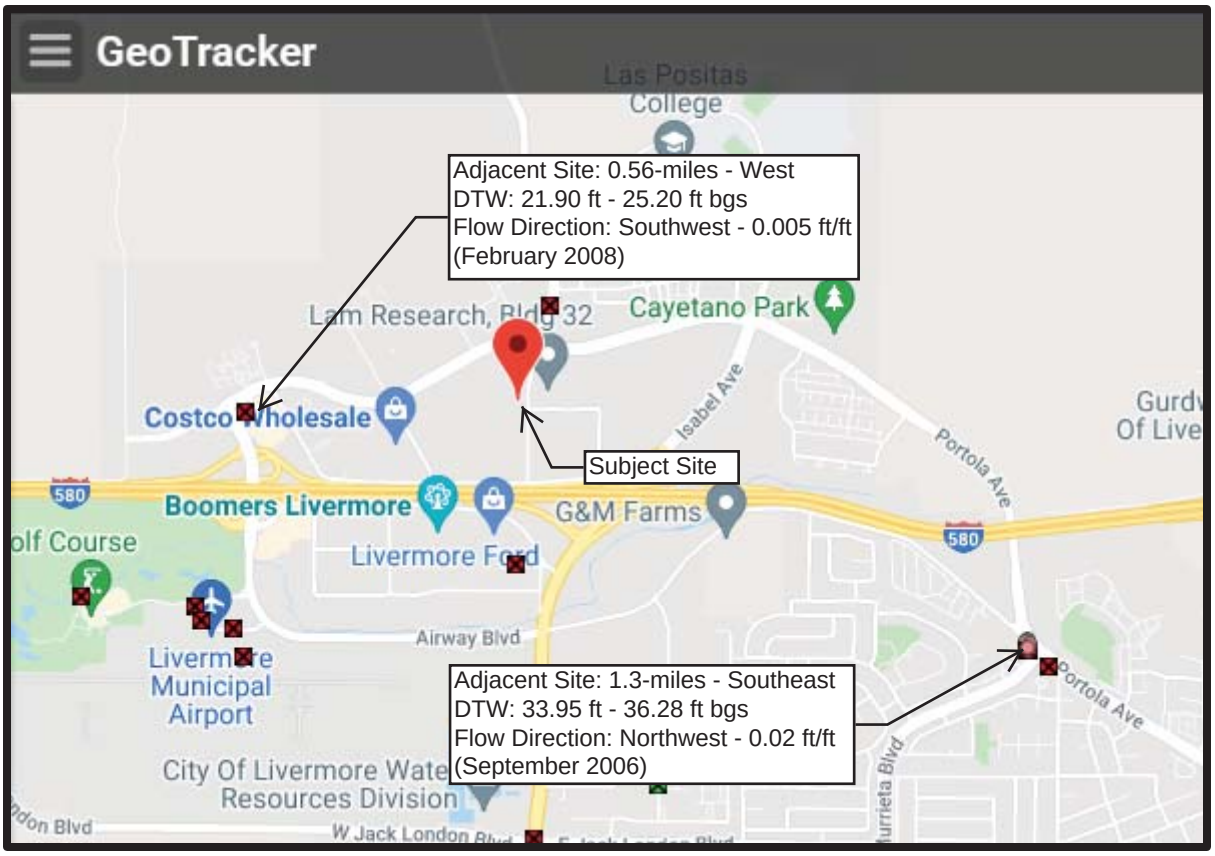
Sincerely,

Clay James
Assistant City Clerk
City Clerk's Office

To monitor the progress or update this request please log into the Public Records Center

APPENDIX C-5

HYDROLOGY INFORMATION


GeoTracker
Las Positas College
Adjacent Site: 0.56-miles - West
DTW: 21.90 ft - 25.20 ft bgs
Flow Direction: Southwest - 0.005 ft/ft
(February 2008)
Lam Research, Bldg 32
Cayetano Park
Costco Wholesale
Isabel Ave
Portola Ave
Subject Site
580
Boomers Livermore
G&M Farms
Livermore Ford
Airway Blvd
Livermore Municipal Airport
Adjacent Site: 1.3-miles - Southeast
DTW: 33.95 ft - 36.28 ft bgs
Flow Direction: Northwest - 0.02 ft/ft
(September 2006)
City Of Livermore Water Resources Division
W Jack London Blvd

APPENDIX C-6

NATIONAL WETLANDS INVENTORY -
WETLAND MAP

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands

EXHIBIT B



December 22, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

APPENDIX C-7

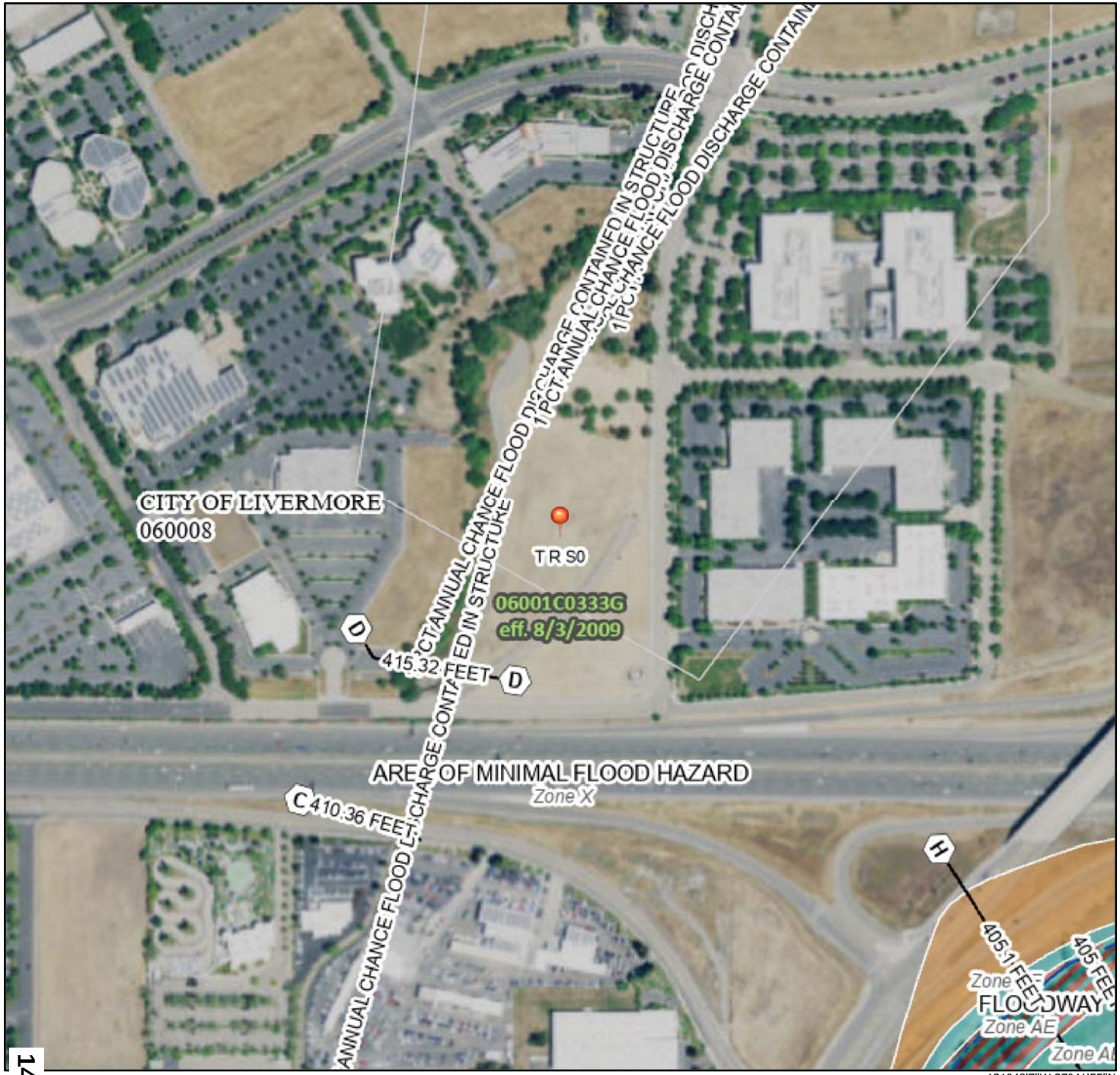
FEDERAL EMERGENCY MANAGEMENT AGENCY

NATIONAL FLOOD HAZARD MAP

National Flood Hazard Layer FIRMette

FEMA

121°48'44"W 37°42'23"N



121°48'7"W 37°41'55"N

1414

0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend EXHIBIT B

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/22/2022 at 4:38 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX D

HISTORICAL RESEARCH DOCUMENTATION

APPENDIX D-1

CITY OF LIVERMORE – CITY CLERK'S OFFICE
(BUILDING DEPARTMENT)

Hagop Tatian

From: Livermore CPRA <livermoreca@govqa.us>
Sent: Tuesday, December 20, 2022 10:46 AM
To: Hagop Tatian
Subject: City Public Records Request :: R000493-122022

LIVERMORE CALIFORNIA

(THIS IS AN AUTO-GENERATED RESPONSE FROM THE CITY OF LIVERMORE)

Dear Hagop T.:

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You can monitor the progress of your request in "My Request Center".

Powered by GovQA

Hagop Tatian

From: Livermore CPRA <livermoreca@govqa.us>
Sent: Tuesday, December 27, 2022 9:52 AM
To: Hagop Tatian
Subject: [Records Center] City Public Records Request :: R000493-122022

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of December 20, 2022, Reference # R000493-122022.

Dear Hagop T.,

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City Public Records Request - R000493-122022

If you have any questions, or wish to discuss this further, please contact me.

Sincerely,

Clay James
Assistant City Clerk
City Clerk's Office

Record #	Record Status	Record Type	Street #			Parcel #	Opened Date	Permit Description
BLDG000389	Expired	Dwelling Permit	2620	COLLIER CANYON	RD	905 001501600	9/22/2000	10 day letter sent 6/19/02. DEMOLISH SINGLE FAMILY HOME AND SHEDS.

Permit #	Record Status	Record Type	Street #			Parcel #	Opened Date	Permit Description
DEM200002	Finaled	Demolition	2768	COLLIER CANYON	RD	905 001500800	1/8/2020	Demolish three existing buildings: Residence (1,000 SF), barn (700 SF) and accessory structure (400 SF). Project must comply with COA19-021.
E010001	Finaled	Electrical	2768	COLLIER CANYON	RD	905 001500800	1/3/2001	RELOCATE P.G.&E. ELECTRIC METER AND INSTALL NEW PANEL.
65116	FINALED	Building History	2768	COLLIER CANYON	RD	905 001500800	4/12/1993	ZONE 7 WATER CONNECTION FEE FOR 5/8" METER

APPENDIX D-2

HISTORIC MAPS

Vacant Land
2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551

Inquiry Number: 7208710.3
December 20, 2022

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

12/20/22

Site Name:

Vacant Land
2620 & 2768 COLLIER CANYC
Livermore, CA 94551
EDR Inquiry # 7208710.3

Client Name:

KCE Matrix
1112 W Burbank Blvd Suite 301
Burbank, CA 91506
Contact: Aram Kaloustian

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by KCE Matrix were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # FA6C-4C53-8E1F

PO # KCE-2022-488E

Project Vacant Land

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: FA6C-4C53-8E1F

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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APPENDIX D-3

AERIAL PHOTOGRAPHS

Vacant Land

2620 & 2768 COLLIER CANYON RD

Livermore, CA 94551

Inquiry Number: 7208710.8

December 20, 2022

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

EXHIBIT B 12/20/22

Site Name:

Vacant Land
2620 & 2768 COLLIER CANYC
Livermore, CA 94551
EDR Inquiry # 7208710.8

Client Name:

KCE Matrix
1112 W Burbank Blvd Suite 301
Burbank, CA 91506
Contact: Aram Kaloustian

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*
2020	1"=500'	Flight Year: 2020	USDA/NAIP
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 22, 1998	USDA
1993	1"=500'	Acquisition Date: January 01, 1993	USGS/DOQQ
1982	1"=500'	Flight Date: July 05, 1982	USDA
1979	1"=500'	Flight Date: August 16, 1979	USDA
1966	1"=500'	Flight Date: May 15, 1966	USDA
1963	1"=500'	Flight Date: July 16, 1963	EDR Proprietary Aerial Viewpoint
1958	1"=500'	Flight Date: August 09, 1958	USDA
1949	1"=500'	Flight Date: October 13, 1949	USGS
1940	1"=500'	Flight Date: June 08, 1940	USDA

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EXHIBIT B
INQUIRY #: 7208710.8
YEAR: 2020
= 500'
N
EDR


EXHIBIT B
INQUIRY #: 7208710.8
YEAR: 2016
= 500'
N
EDR
1428


EXHIBIT B
INQUIRY #: 7208710.8
YEAR: 2012
= 500'
N
EDR
1429


EXHIBIT B
INQUIRY #: 7208710.8
YEAR: 2009
= 500'
N
EDR
1430


EXHIBIT B
INQUIRY #: 7208710.8
YEAR: 2006
= 500'
N
EDR

EXHIBIT B



INQUIRY #: 7208710.8

YEAR: 1998

= 500'

N

EDR

1432


EXHIBIT B
INQUIRY #: 7208710.8
YEAR: 1993
= 500'
N
EDR
1433


EXHIBIT B
INQUIRY #: 7208710.8
YEAR: 1982
= 500'
N
EDR
1434

EXHIBIT B



INQUIRY #: 7208710.8

YEAR: 1979

= 500'

N

EDR

1435

EXHIBIT B



INQUIRY #: 7208710.8

YEAR: 1966

= 500'

N

EDR

EXHIBIT B



INQUIRY #: 7208710.8

YEAR: 1963

= 500'

N

EDR

EXHIBIT B



INQUIRY #: 7208710.8

YEAR: 1958

= 500'

N

EDR


EXHIBIT B
INQUIRY #: 7208710.8
YEAR: 1949
= 500'
N
EDR
1439

EXHIBIT B



INQUIRY #: 7208710.8

YEAR: 1940

= 500'

N

EDR

1440

APPENDIX D-4

HISTORICAL TOPOGRAPHIC MAPS

Vacant Land
2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551

Inquiry Number: 7208710.4
December 20, 2022

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

EXHIBIT B 12/20/22

Site Name:	Client Name:
Vacant Land	KCE Matrix
2620 & 2768 COLLIER CANYC	1112 W Burbank Blvd Suite 301
Livermore, CA 94551	Burbank, CA 91506
EDR Inquiry # 7208710.4	Contact: Aram Kaloustian

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by KCE Matrix 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.# KCE-2022-488E

Project: Vacant Land

Coordinates:

Latitude:	37.702924 37° 42' 11" North
Longitude:	-121.807036 -121° 48' 25" West
UTM Zone:	Zone 10 North
UTM X Meters:	605162.09
UTM Y Meters:	4173524.25
Elevation:	419.43' above sea level

Maps Provided:

2018	1947
2015	1941
2012	1906
1980	
1973	
1968	
1961	
1953	

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Topo Sheet Key

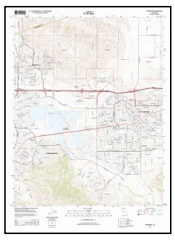
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Livermore
2018
7.5-minute, 24000

2015 Source Sheets



Livermore
2015
7.5-minute, 24000

2012 Source Sheets



Livermore
2012
7.5-minute, 24000

1980 Source Sheets



Livermore
1980
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets



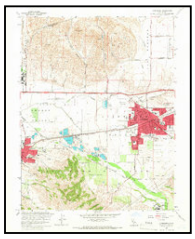
Livermore
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets



Livermore
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1961 Source Sheets



Livermore
1961
7.5-minute, 24000
Aerial Photo Revised 1960

1953 Source Sheets



Livermore
1953
7.5-minute, 24000
Aerial Photo Revised 1949

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1947 Source Sheets



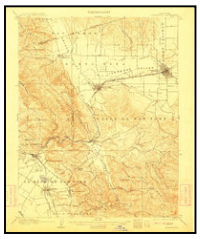
PLEASANTON
1947
15-minute, 50000

1941 Source Sheets



Pleasanton
1941
15-minute, 62500
Aerial Photo Revised 1937

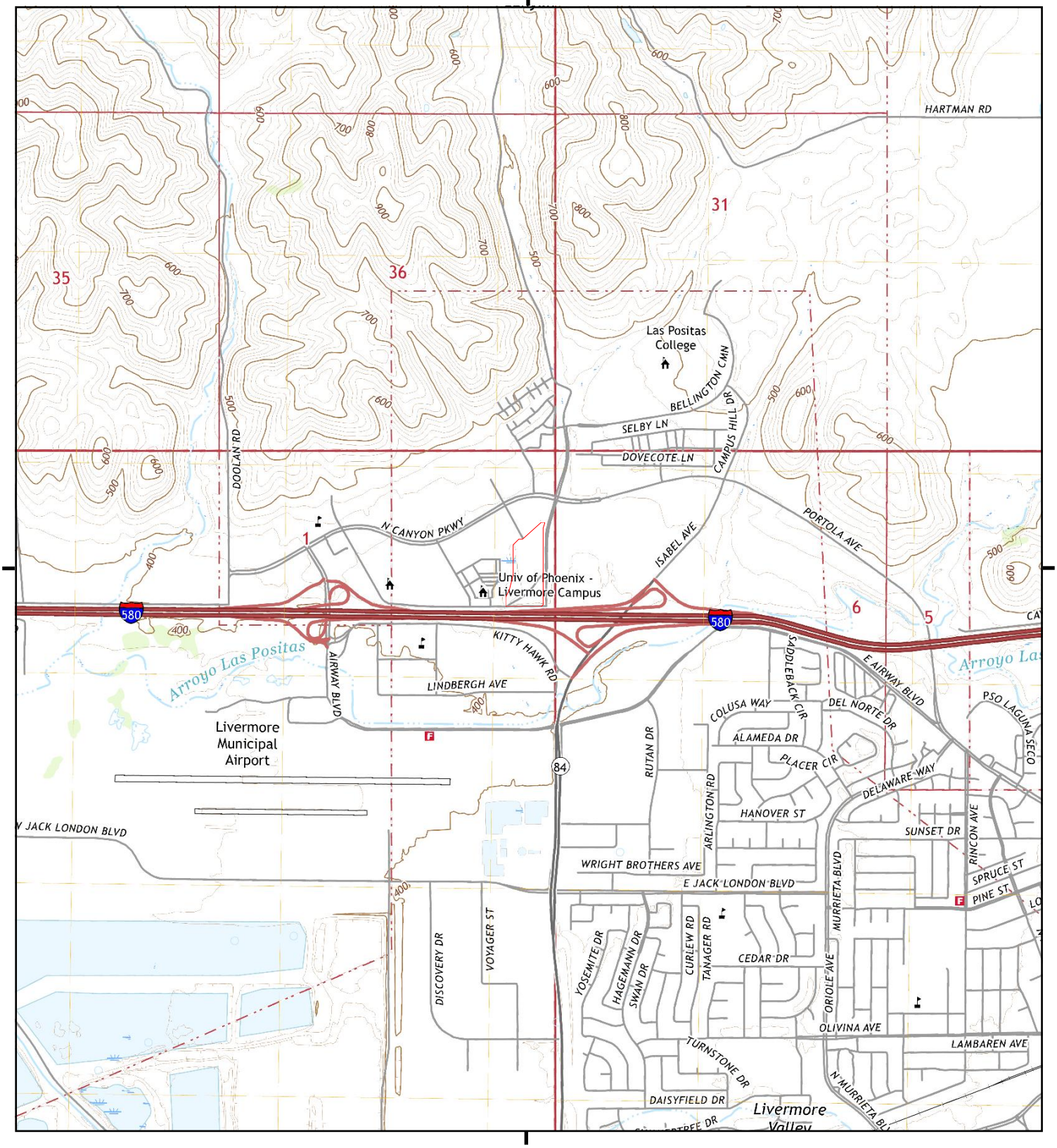
1906 Source Sheets



Pleasanton
1906
15-minute, 62500

Historical Topo Map

EXHIBIT B 2018



This report includes information from the following map sheet(s).

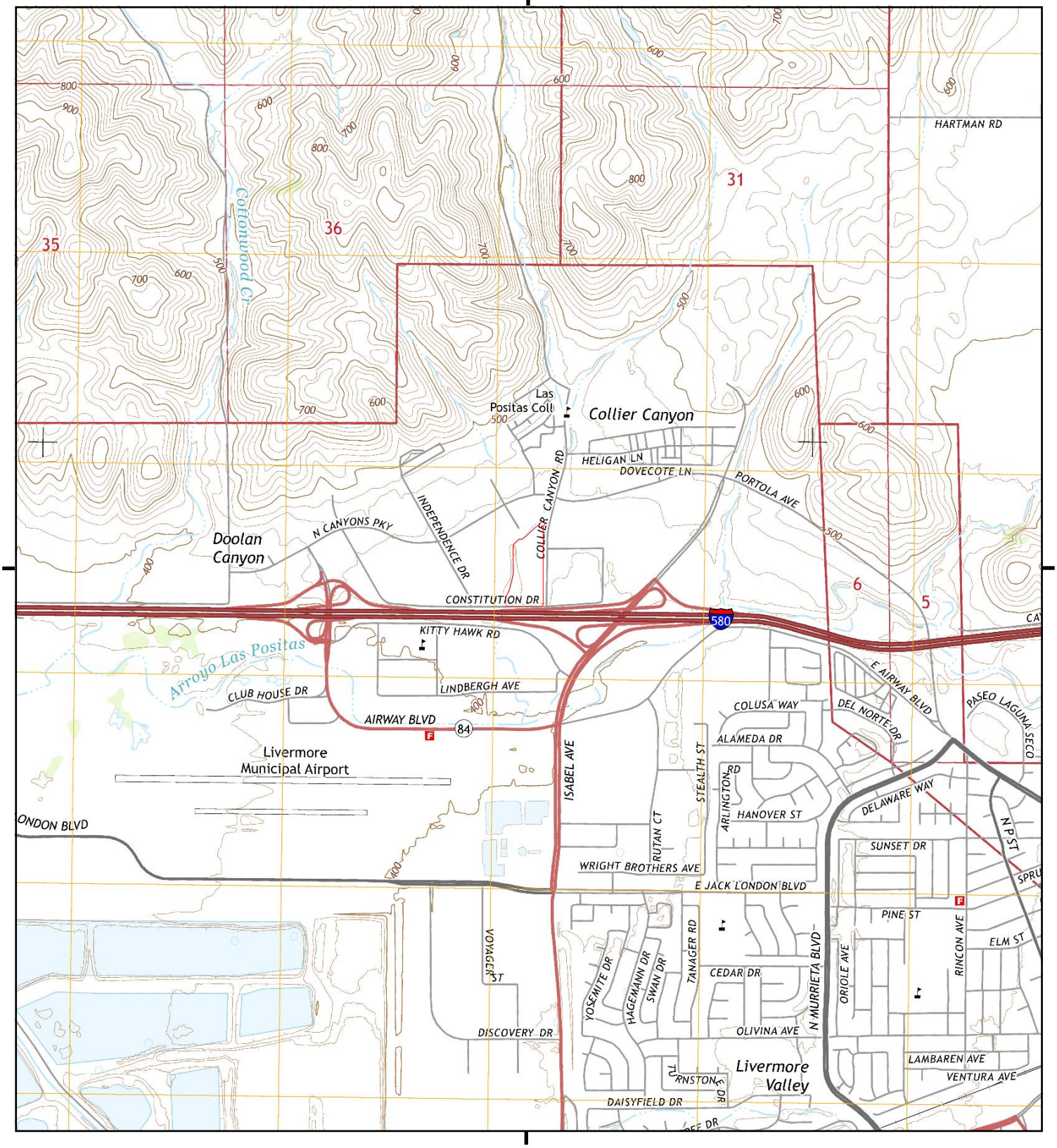
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 2018, 7.5-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

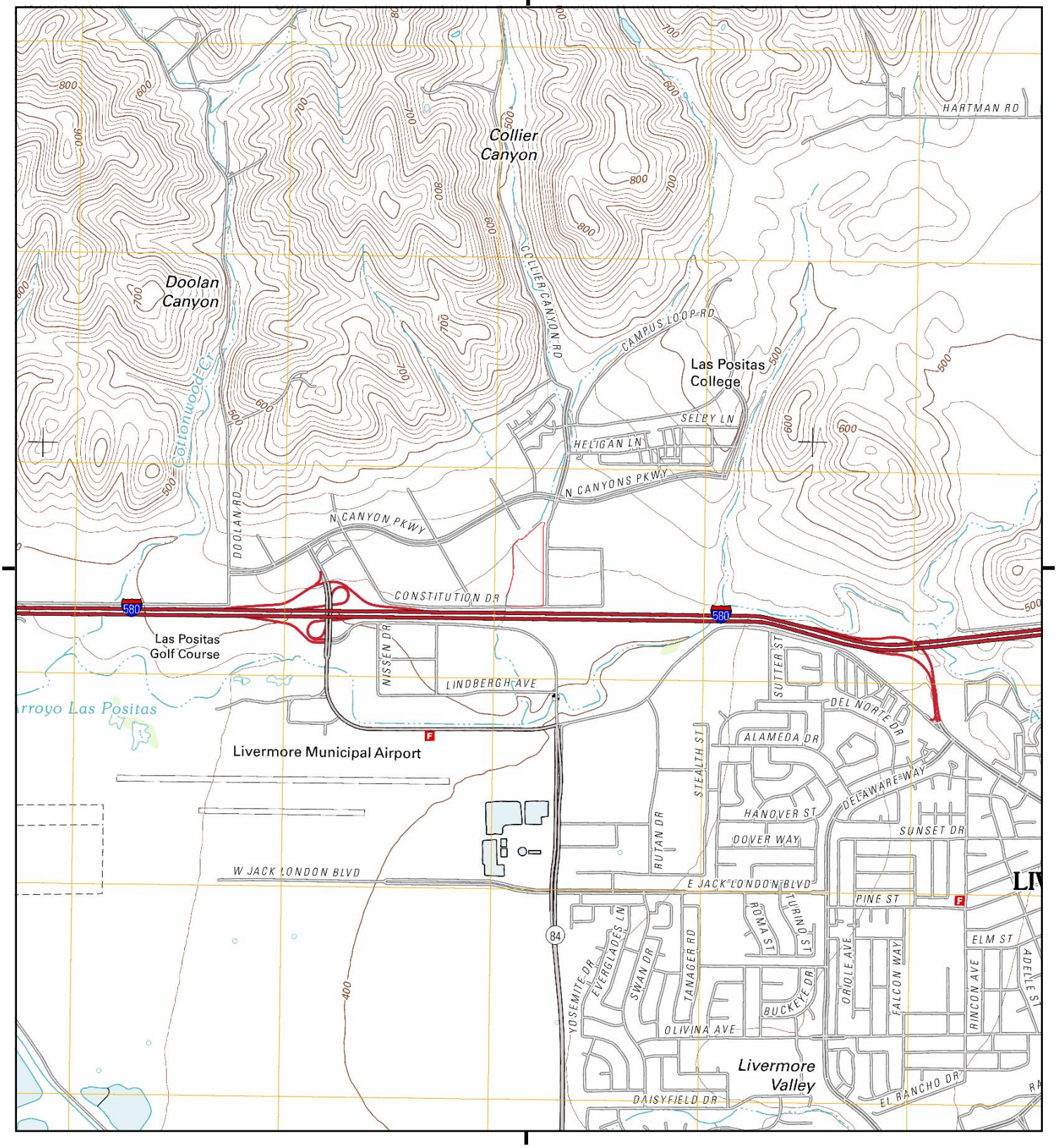
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 2015, 7.5-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

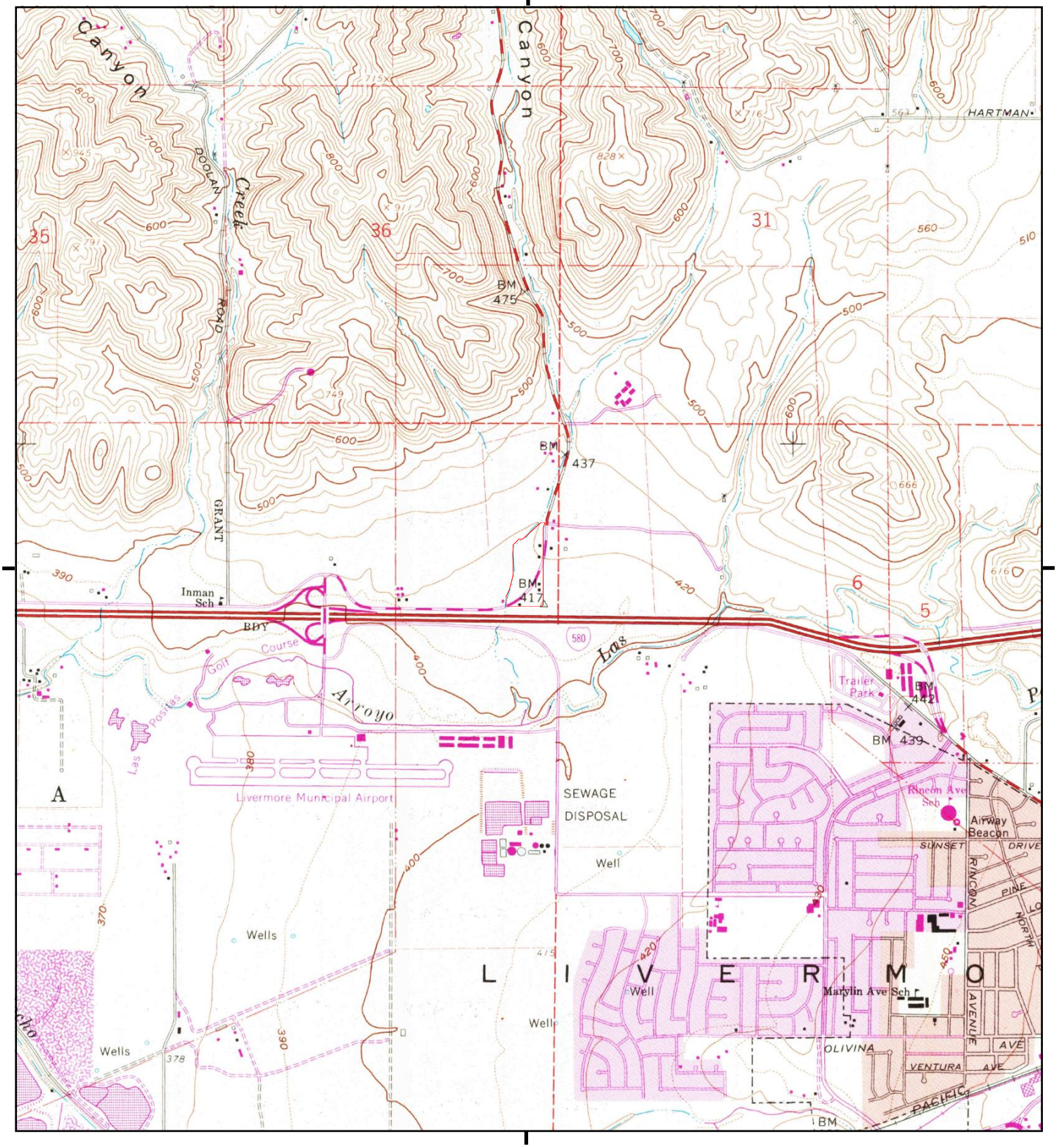
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 2012, 7.5-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

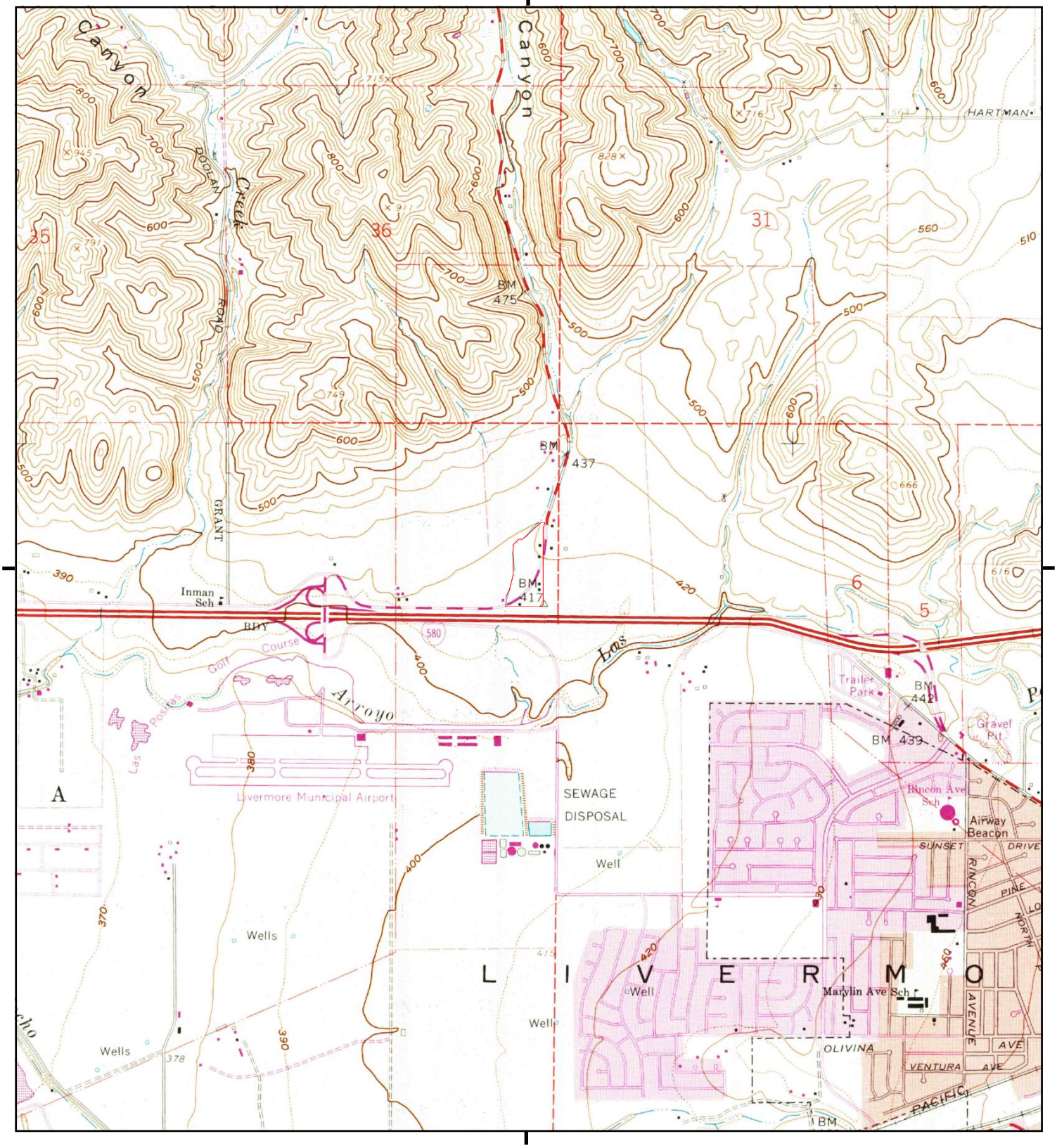
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 1980, 7.5-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

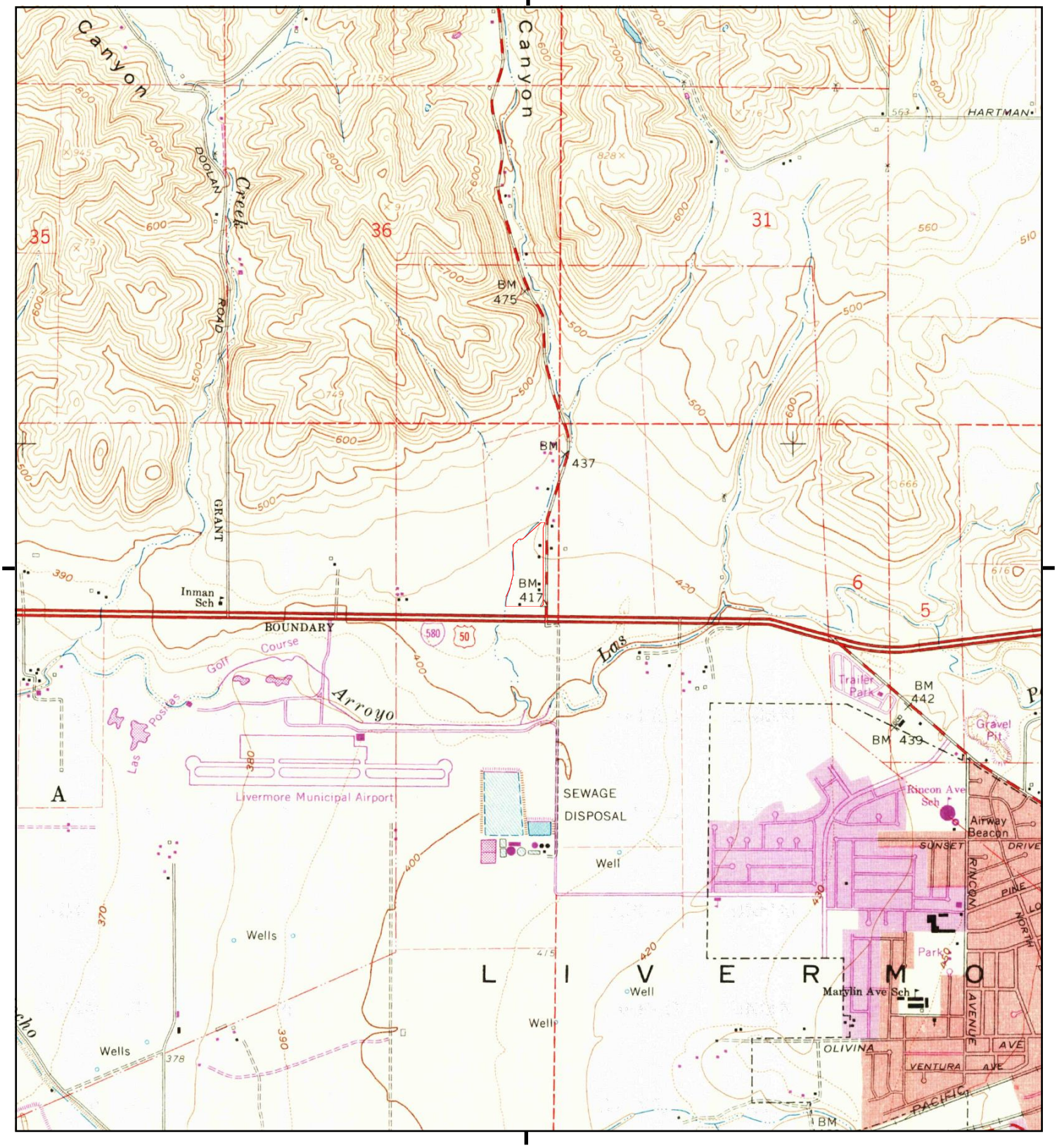
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 1973, 7.5-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

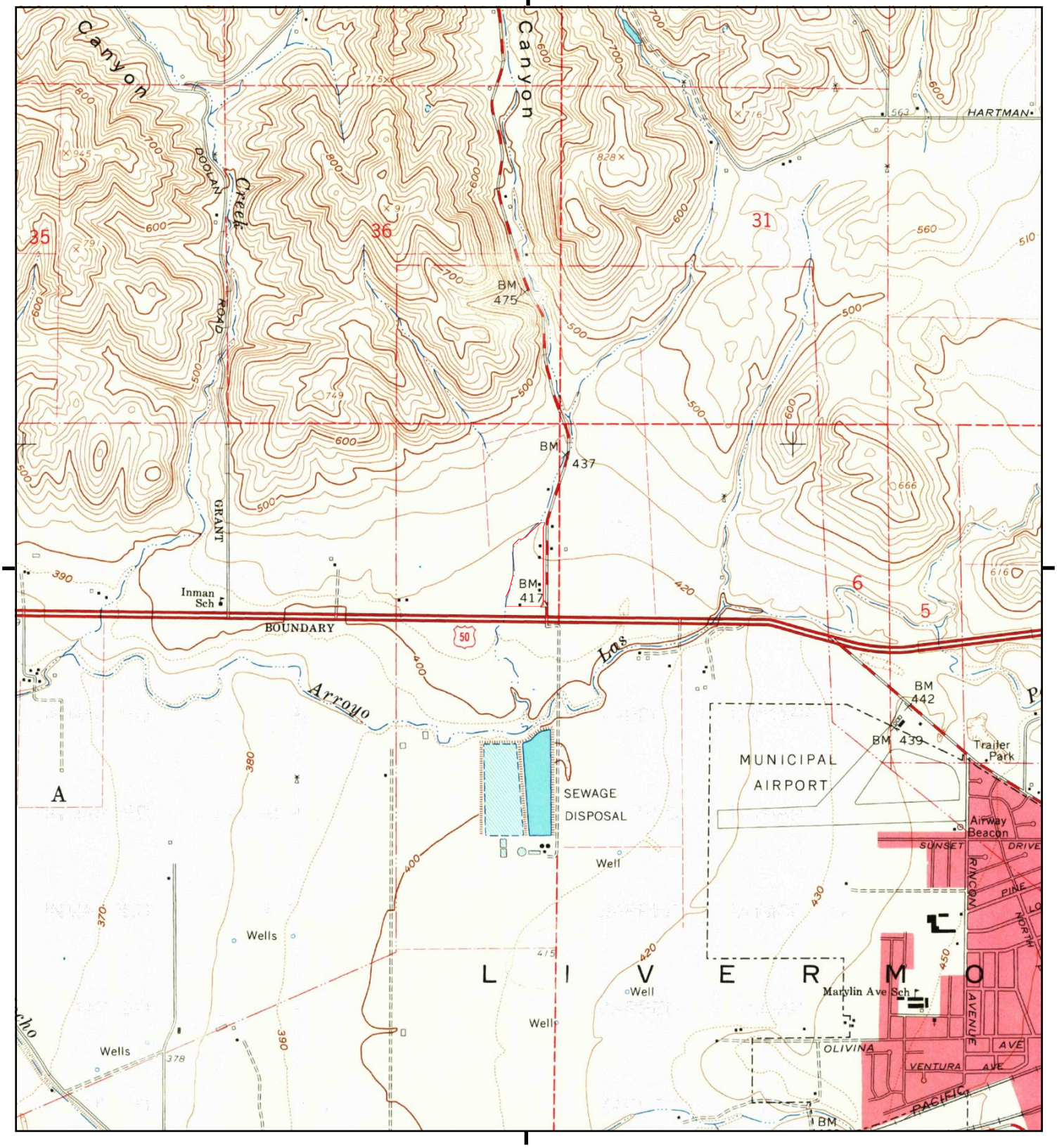
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 1968, 7.5-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

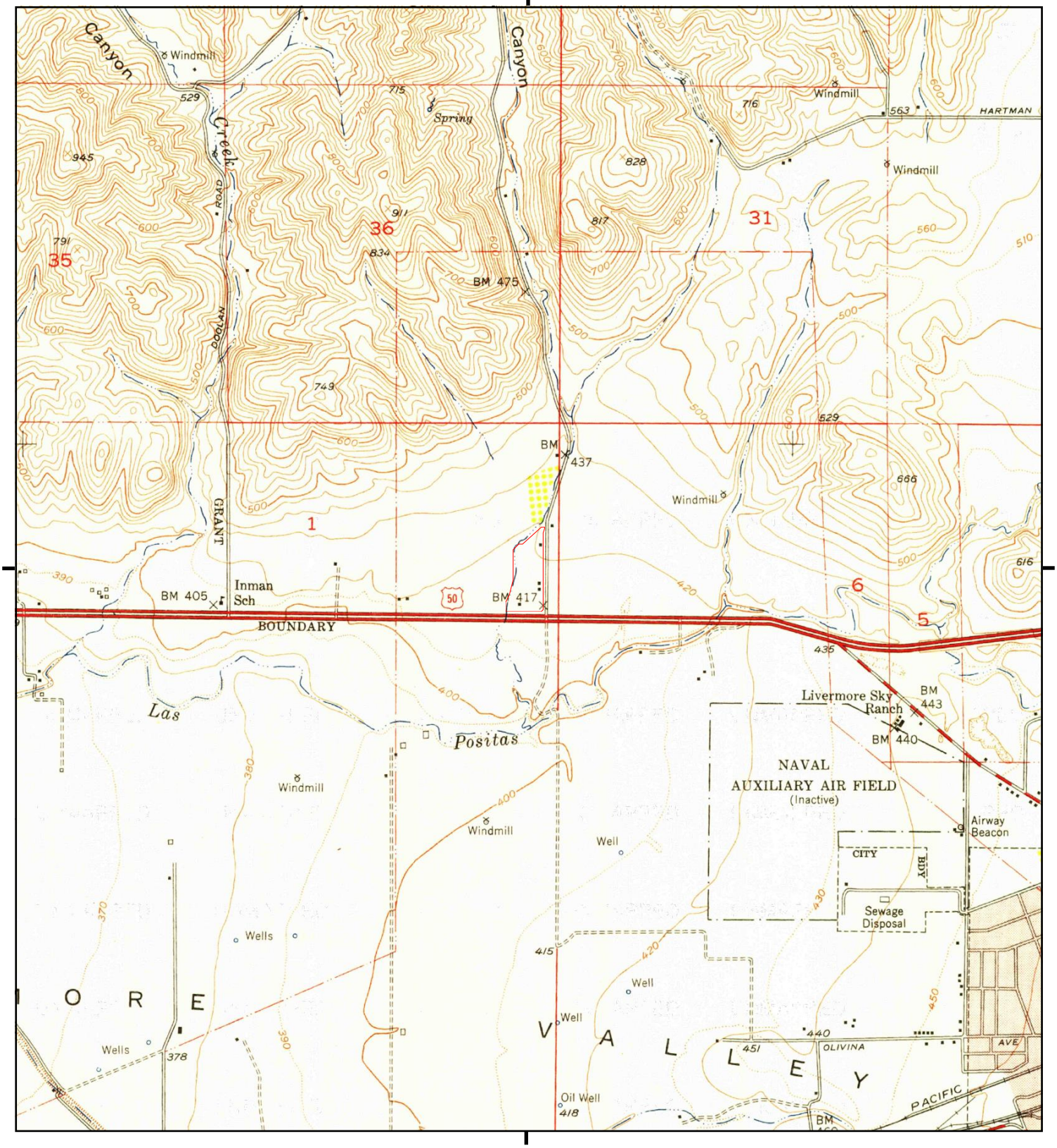
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 1961, 7.5-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

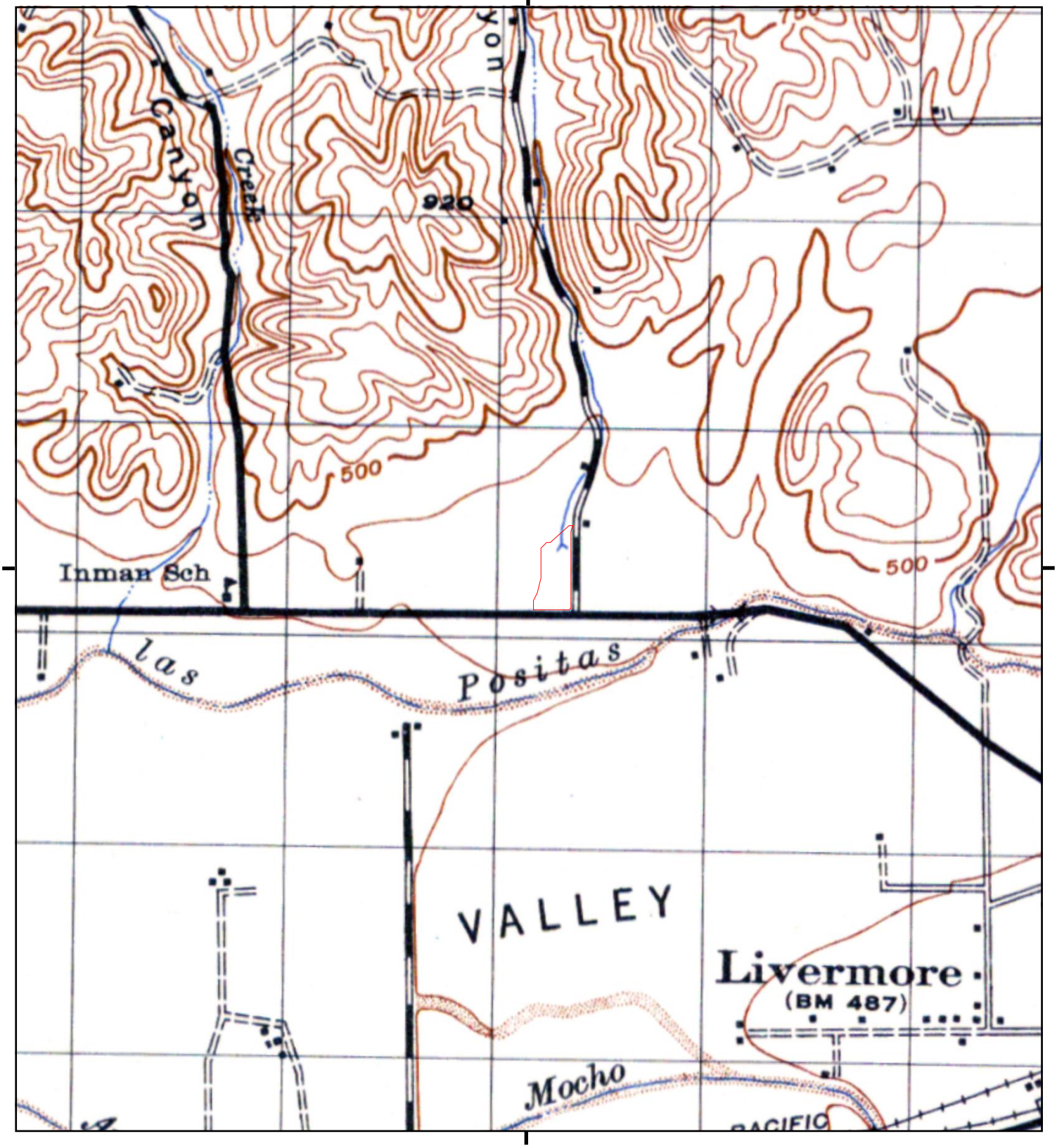
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 1953, 7.5-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

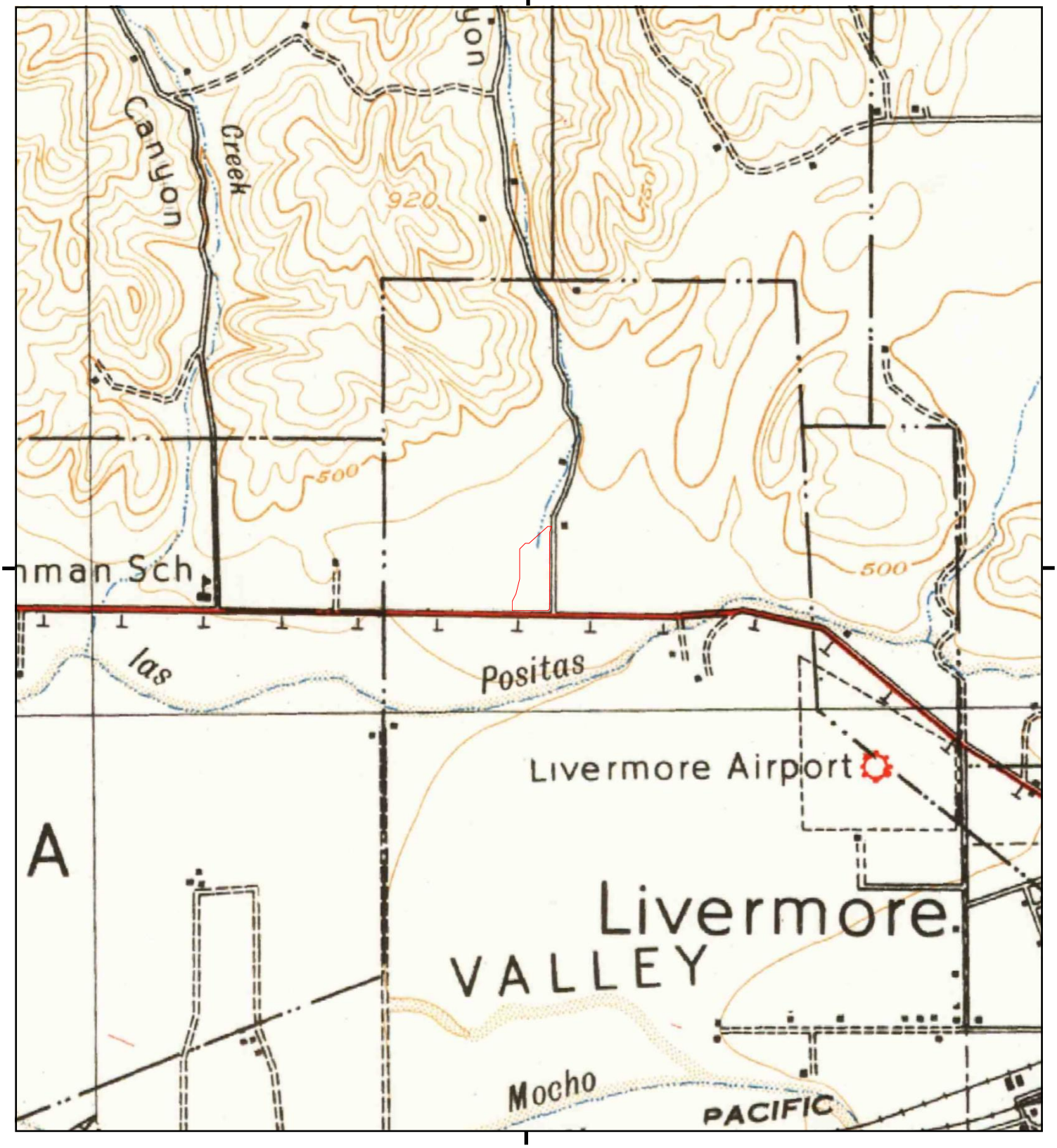
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, PLEASANTON, 1947, 15-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N



This report includes information from the following map sheet(s).

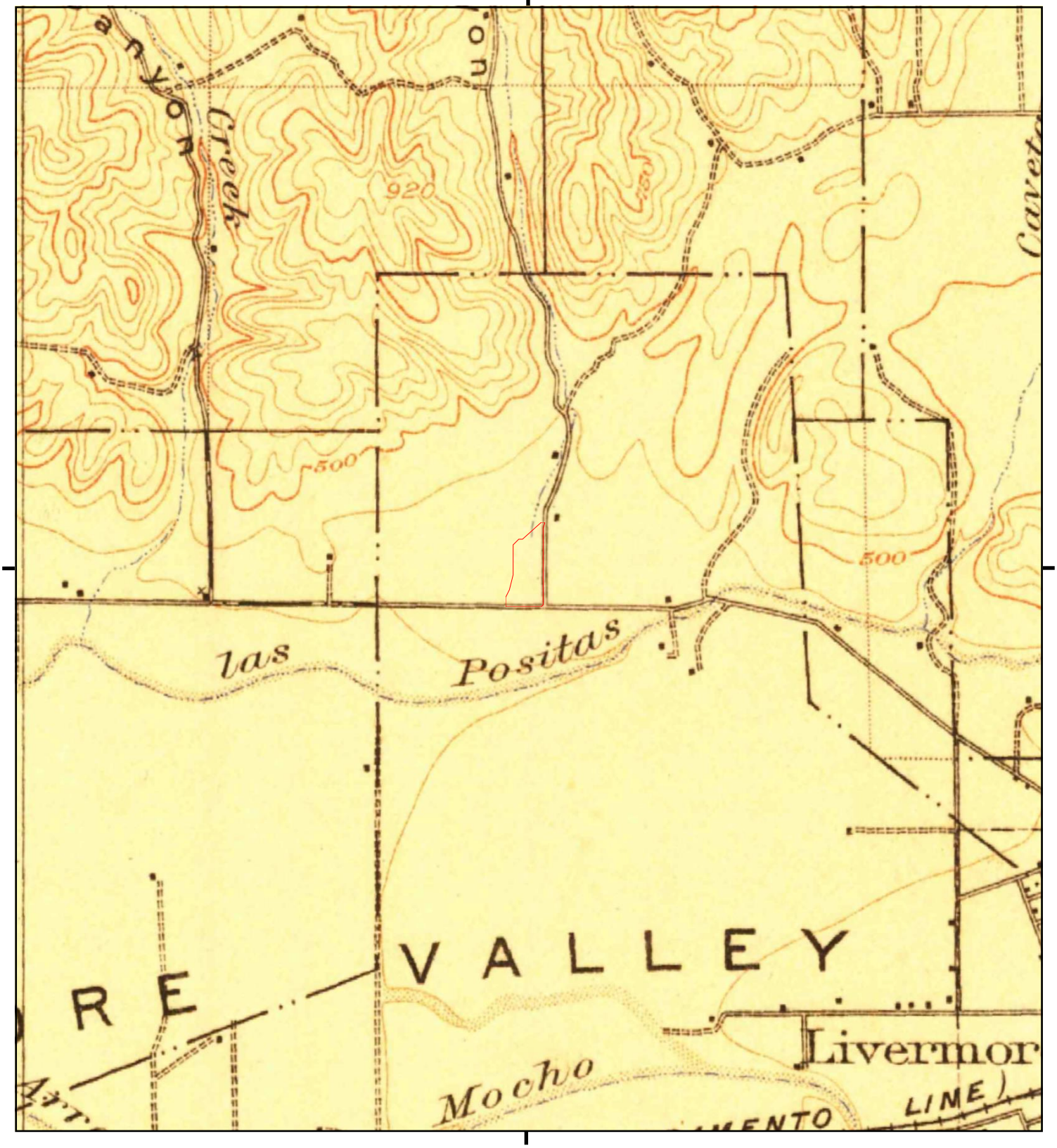
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Pleasanton, 1941, 15-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

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, Pleasanton, 1906, 15-minute

SITE NAME: Vacant Land
ADDRESS: 2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551
CLIENT: KCE Matrix

N

APPENDIX D-5

CITY DIRECTORY ABSTRACT

Vacant Land
2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551

Inquiry Number: 7208710.5
December 21, 2022

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 1920 through 2017. 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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Data by infoUSA®

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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
2017	Cole Information Services	-	X	X	-
2014	Cole Information Services	-	X	X	-
2009	Cole Information Services	-	X	X	-
2006	Haines Company, Inc.	-	-	-	-
2004	Cole Information Services	-	X	X	-
2002	Haines & Company	X	X	X	-
	R. L. Polk & Co.	X	X	X	-
2000	Pacific Bell	-	-	-	-
1999	Cole Information Services	X	-	X	-
	Cole Information Services	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1996	PACIFIC BELL DIRECTORY	-	-	-	-
1994	Cole Information Services	-	-	-	-
	Cole Information Services	-	X	X	-
1993	Pacific Bell	-	-	-	-
1992	PACIFIC BELL DIRECTORY	-	-	-	-
1991	PACIFIC BELL WHITE PAGES	-	-	-	-
1986	Pacific Bell	X	-	X	-
1984	Pacific Bell	X	X	X	-
1982	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	-	-	-	-
1979	Pacific Telephone	X	-	X	-
1976	R. L. Polk & Co.	-	-	-	-
1975	Pacific Telephone	X	X	X	-
1973	Pacific Telephone	-	-	-	-
1970	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1967	R. L. Polk Co.	-	-	-	-
1965	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1962	Pacific Telephone	-	-	-	-
1960	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1959	R. L. Polk & Co.	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co. of California	-	-	-	-
1951	R. L. Polk & Co.	-	-	-	-
1950	The Pacific Telephone & Telegraph Co.	-	-	-	-
1946	R. L. Polk & Co.	-	-	-	-
1945	The Pacific Telephone & Telegraph Co.	-	-	-	-
1943	R. L. Polk & Co.	-	-	-	-
1940	R. L. Polk & Co.	-	-	-	-
1938	Pacific Telephone	-	-	-	-
1933	R. L. Polk & Co.	-	-	-	-
1932	R. L. Polk & Co. of California	-	-	-	-
1928	R. L. Polk Co. of California	-	-	-	-
1926	R. L. Polk & Co.	-	-	-	-
1925	R. L. Polk & Co. of California	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1920	R. L. Polk & Co. of California	-	-	-	-

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*
100 N Canyons Pkwy	Client Entered	
250 N Canyons Pkwy	Client Entered	
348 N Canyons Pkwy	Client Entered	
365 N Canyons Pkwy	Client Entered	
2441 Constitution Dr	Client Entered	
2266 Kitty Hawk Rd	Client Entered	X
2501 Collier Canyon Rd	Client Entered	
2525 Collier Canyon Rd	Client Entered	
2685 Collier Canyon Rd	Client Entered	
1 Portola Ave	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551

FINDINGS DETAIL

Target Property research detail.

COLLIER CANYON

2768 COLLIER CANYON

Year	*Uses*	*Source*
2002	0 CHU Miriam	Haines & Company
	CHU Miriam	R. L. Polk & Co.
1986	WATERS AL	Pacific Bell
1984	WATERS A L	Pacific Bell
1979	WATERS A L	Pacific Telephone
1975	WATERS A L	Pacific Telephone

COLLIER CANYON CT

2620 COLLIER CANYON CT

Year	*Uses*	*Source*
1975	HAEPANEN MARTHA	Pacific Telephone

COLLIER CANYON RD

2620 COLLIER CANYON RD

Year	*Uses*	*Source*
1999	OCCUPANT UNKNOWN	Cole Information Services
1986	CARDOZA JOHN	Pacific Bell
1979	HAAPANEN DENNIS	Pacific Telephone
	HAAPANEN MARTHA	Pacific Telephone
1970	Haapanen Martha	Pacific Telephone
1965	HAAPANEN MARTHA	Pacific Telephone
1960	Haapanen Martha	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

COLLIER CANYON CT

2740 COLLIER CANYON CT

Year	Uses	Source
1984	MENEAR BILL	Pacific Bell
1975	MAC LEOD GERALD W	Pacific Telephone

COLLIER CANYON RD

2525 COLLIER CANYON RD

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

2575 COLLIER CANYON RD

Year	Uses	Source
2017	GLOBAL CENTURY	Cole Information Services
	GLOBAL CENTURY INSURANCE CO	Cole Information Services
2014	GLOBAL CENTURY INSURANCE CO	Cole Information Services
2004	PENTAGON TECHNOLOGIES	Cole Information Services

2637 COLLIER CANYON RD

Year	Uses	Source
2009	CUTLER HAMMER INC	Cole Information Services

2642 COLLIER CANYON RD

Year	Uses	Source
1965	HUFF T J	Pacific Telephone

2659 COLLIER CANYON RD

Year	Uses	Source
2004	CUPERTINO ELECTRIC INC	Cole Information Services

FINDINGS

2675 COLLIER CANYON RD

Year	Uses	Source
2017	CALTROL	Cole Information Services
	COMMUNICATIONS TEST DESIGN INC CT	Cole Information Services
2014	COMMUNICATIONS TEST DESIGN INC	Cole Information Services
	CALTROL	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services

2685 COLLIER CANYON RD

Year	Uses	Source
2017	EMERSON PROCESS MANAGEMENT	Cole Information Services
	EMERSON PROCESS MANAGEMENT	Cole Information Services
2014	EMERSON PROCESS MANAGEMENT	Cole Information Services
	EMERSON PROCESS MANAGEMENT	Cole Information Services

2740 COLLIER CANYON RD

Year	Uses	Source
2002	XXXX	R. L. Polk & Co.
	XXXX	Haines & Company
1970	Moglia Frank L	Pacific Telephone
1960	Messick Sam L	Pacific Telephone

CONSTITUTION DR

2441 CONSTITUTION DR

Year	Uses	Source
2009	THE NATIONAL FOOD LABORATORY INC	Cole Information Services
2004	WESTERN FLAVORS & FRAGRANCES I	Cole Information Services

KITTY HAWK RD

2266 KITTY HAWK RD

Year	Uses	Source
2017	LOCKSMITH	Cole Information Services
	LIVERMORE MOBILE LOCKSMITH LP	Cole Information Services
	CODIROLI JEEP	Cole Information Services
2014	LIVERMORE FORD LINCOLN	Cole Information Services

FINDINGS

Year	Uses	Source
2014	LIVERMORE FORDLINCOLNMITSUBISHI	Cole Information Services
2009	AVIS RENT A CAR	Cole Information Services
	FORD MOTOR CO	Cole Information Services
	CODIROLI JEEP	Cole Information Services
2004	CODIROLI MOTORS	Cole Information Services
	CODIROLI AUTO GROUP	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

Kitty Hawk Rd

2266 Kitty Hawk Rd

Year	Uses	Source
2002	CHRYSLER PLYMOUTH	R. L. Polk & Co.
	CODIROLICAR CODIROLICAR	R. L. Polk & Co.
	COMPANY	R. L. Polk & Co.
	CODIROLI LNCLN MCRY 925 294 77 E w CODIROLIMAZ	R. L. Polk & Co.
	FORDC 001 RO	R. L. Polk & Co.
	CO JEEPEAGLECODIROLI	R. L. Polk & Co.
	C 8 R 0 CO UNCOLNMERCUBYCO	R. L. Polk & Co.
	DIROLI MOTOR MAZDACOD	R. L. Polk & Co.
	MOTOR CO	R. L. Polk & Co.
	CHRYSLER PLY	Haines & Company
	CODIROLICAR	Haines & Company
	CODIROLICAR	Haines & Company
	COMPANY	Haines & Company
	CODIROLI LNCLN MCRY 925 294 77 E w CODIROLI	Haines & Company
	FORDC 001 RO	Haines & Company
	CO JEEPEAGLECODIROLI	Haines & Company
	C 8 R 0 CO UNCOLNMERCUBYCO	Haines & Company
	DIROLI MOTOR MAZDACOD	Haines & Company
	MOTOR CO	Haines & Company

FINDINGS

KITTY HAWK RD

2266 KITTY HAWK RD

Year	Uses	Source
1999	CODIROLI MOTOR COMPANY	Cole Information Services
	JEEP EAGLE CODIROLI CAR COMPANY	Cole Information Services
	CODIROLI MAZDA	Cole Information Services
	LINCOLN MERCURY CODIROLI MOTOR COMPANY	Cole Information Services
	CHRYSLER PLYMOUTH CODIROLI CAR COMPANY	Cole Information Services
	MAZDA CODIROLI MOTOR COMPANY	Cole Information Services
1994	CODIROLI MOTOR CO	Cole Information Services

N CANYONS PKWY

348 N CANYONS PKWY

Year	Uses	Source
2017	CORNERSTONE FELLOWSHIP	Cole Information Services
1999	VISTA WEST	Cole Information Services
	IMPACT MERCHANDISING	Cole Information Services

365 N CANYONS PKWY

Year	Uses	Source
2017	THE BICKERTON LAW FIRM APLC	Cole Information Services
	LAW OFC OF CHERIE DAVIS	Cole Information Services
	NATIONAL FOOD LABORATORY	Cole Information Services
	SEIBERLING ASSOCIATES INC	Cole Information Services
	VULCAN MATERIALS COMPANY SALES	Cole Information Services
2014	LAW OFFICE OF CHERIE DAVIS	Cole Information Services
	BICKERTON LAW FIRM APLC THE	Cole Information Services
	THE NATIONAL FOOD LAB	Cole Information Services

FINDINGS

PORTOLA AVE

1 PORTOLA AVE

Year	*Uses*	*Source*
2017	LAM RESEARCH	Cole Information Services
2014	LAM RESEARCH	Cole Information Services

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
1 Portola Ave	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
1 PORTOLAAVE	2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
100 N Canyons Pkwy	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2266 Kitty Hawk Rd	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2266 KITTY HAWK RD	2006, 2002, 2000, 1996, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2441 Constitution Dr	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2441 CONSTITUTION DR	2017, 2014, 2006, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
250 N Canyons Pkwy	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2501 Collier Canyon Rd	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2525 Collier Canyon Rd	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2525 COLLIER CANYON RD	2017, 2014, 2009, 2006, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2525 COLLIER CANYON RD	2017, 2014, 2009, 2006, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2575 COLLIER CANYON RD	2009, 2006, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2637 COLLIER CANYON RD	2017, 2014, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2642 COLLIER CANYON RD	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2659 COLLIER CANYON RD	2017, 2014, 2009, 2006, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2675 COLLIER CANYON RD	2009, 2006, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2685 COLLIER CANYON RD	2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2685 COLLIER CANYON RD	2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2685 Collier Canyon Rd	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2740 COLLIER CANYON CT	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1982, 1980, 1979, 1976, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
2740 COLLIER CANYON RD	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1967, 1965, 1962, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
348 N Canyons Pkwy	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
348 N CANYONS PKWY	2014, 2009, 2006, 2004, 2002, 2000, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
365 N CANYONS PKWY	2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920
365 N Canyons Pkwy	2017, 2014, 2009, 2006, 2004, 2002, 2000, 1999, 1996, 1994, 1993, 1992, 1991, 1986, 1984, 1982, 1980, 1979, 1976, 1975, 1973, 1970, 1967, 1965, 1962, 1960, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
2620 & 2768 COLLIER CANYON RD	2017, 2014, 2009, 2006, 2004, 2000, 1996, 1994, 1993, 1992, 1991, 1982, 1980, 1976, 1973, 1967, 1962, 1959, 1956, 1955, 1954, 1951, 1950, 1946, 1945, 1943, 1940, 1938, 1933, 1932, 1928, 1926, 1925, 1920

APPENDIX E

USER QUESTIONNAIRE
AND TITLE REPORT

EXHIBIT B

PHASE I ESA - USER QUESTIONNAIRE

KCE Matrix, Inc.

Site Address, APN, etc.: 2620 & 2768 Collier Canyon Road, Livermore, CA 94551

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

1. **Environmental cleanup liens that are filed or recorded against the site**
   Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?
   ☒ **No** ☐ **Yes, please explain** _____

2. **Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry**
   Are you aware of any Activity and Use Limitations (AULs), such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?
   ☒ **No** ☐ **Yes, please explain** _____

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP**
   As the *user* of this *ESA,* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?
   ☒ **No** ☐ **Yes, please explain** _____

4. **Relationship of the purchase price to the fair market value of the *property* if it were not contaminated**
   Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?
   ☒ **Yes** ☐ **No, there is a difference between the purchase price and the fair market value**
   If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?
   please explain _____

5. **Commonly known or *reasonably ascertainable* information about the *property***
   Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*,

   (a.) Do you know the past uses of the *property*?
   ☒ **No** ☐ **Yes, please explain** _____

   (b.) Do you know of specific chemicals that are present or once were present at the *property*?
   ☒ **No** ☐ **Yes, please explain** _____

   (c.) Do you know of spills or other chemical releases that have taken place at the *property*?
   ☒ **No** ☐ **Yes, please explain** _____

   (d.) Do you know of any environmental cleanups that have taken place at the *property*?
   ☒ **No** ☐ **Yes, please explain** _____

6. **The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation**
   As the *user* of this *ESA*, based on your knowledge and experience related to the *property,* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?
   ☒ **No** ☐ **Yes, please explain** _____

Note: Landowner Liability Protections, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability* ("*Common Elements*" Guide) issued on March 6, 2003.

PHASE I ESA - USER QUESTIONNAIRE

KCE Matrix, Inc.

In addition, certain information should be collected, if available, and provided to *KCE Matrix, Inc.* to conduct the Phase I Environmental Site Assessment. This information is intended to assist *KCE Matrix, Inc.* but is not necessarily required to qualify for one of the *LLPs*. The information includes:

(a) The reason why the Phase I Environmental Site Assessment is required,

City of Livermore application for vested tenative map

(b) The type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.,

Entitlement to partial sale

(c) The complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful)

2620 Collier Canyon Road, Livermore, California (2.66± acres) and the adjacent 4 parcels totalling 10.44± acres

(d) The scope of services desired for the Phase I (including whether any parties to the *property* transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527 are to be considered),

(e) Identification of all parties who will rely on the Phase I *report*,

(f) Identification of the site contact and how the contact can be reached,

Mark Pleis C: (925) 200-0615

(g) Any special terms and conditions which must be agreed upon by the *environmental professional*

(h) Any other knowledge or experience with the *property* that may be pertinent to the *environmental professional* for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the *property* and its environmental condition).

PHASE I ESA - USER QUESTIONNAIRE

KCE Matrix, Inc.

Vapor Encroachment Screening Section

1. **Property Type:**
☐ Commercial ☐ Industrial ☐ Multi Tenant ☒ Vacant Land

2. **Are there any building/structures on the property?**
☒ No ☐ Unknown ☐ Yes, type construction _____

3. **Will buildings/structures be constructed on the property in the future?**
☐ No ☐ Unknown ☒ Yes, type construction Residental

4. **If buildings exist or are proposed, do/will they have elevators?**
☒ Yes ☐ No

5. **Type of level below grade (existing or proposed)?**
☐ Full Basement ☐ Crawl Space ☒ Slab on Grade ☐ Parking Garage ☐ Multi-Level

6. **Ventilation in level below grade?**
☐ Yes ☐ No ☒ Unknown

7. **Sump pumps, floor drains, or trenches (existing or proposed)?**
☐ Yes ☐ No ☒ Unknown

8. **Radon or methane mitigation system installed?**
☐ Yes ☐ No ☒ Unknown

9. **Heating system type? (existing or proposed)? (CHECK ALL THAT APPLY)**

☐ Hot Air Circulation	☐ Electric Baseboard	☐ Hot Air Radiation	☐ Heat Pump
☐ Hot Water Radiation	☐ Wood Stove	☐ Kerosene Heater	☐ Steam Radiation
☐ Fireplace	☐ Coal Furnace	☐ Radiant Floor Heat	☐ Hot Water Circulation
☐ Fuel Oil Furnace	☐ Gas Furnace	☐ Other	

10. **Type of fuel energy? (existing or proposed)? (CHECK ALL THAT APPLY)**

☐ Natural Gas	☒ Electric	☐ Propane	☐ Fuel Oil
☐ Kerosene	☐ Wood	☐ Coal	☐ Solar
☐ Other			

11. **Have there ever been any environmental problems at the property?**
☒ No ☐ Unknown ☐ Yes, describe _____

12. **Does/will a gas station or dry cleaner operate anywhere on the property?**
☐ Yes ☒ No ☐ Unknown

13. **Do any tenants use hazardous chemicals in relatively large quantities on the property?**
☒ No ☐ Unknown ☐ Yes, describe _____

PHASE I ESA - USER QUESTIONNAIRE

KCE Matrix, Inc.

Vapor Encroachment Screening Section Continued:

14. **Have any tenants ever complained about odors in the building or experienced health related problems that may have been associated with the building?**
    ☐ Yes ■ No ☐ Unknown

15. **Are the operations (or proposed operations to be performed) on the property OSHA regulated?**
    ☐ Yes ☐ No ■ Unknown

16. **Are there any existing or proposed underground storage tanks (USTs) or above ground storage tanks (ASTs)?**
    ☐ Yes ■ No ☐ Unknown

17. **Are there any sensitive receptors (for example, children, elderly, people in poor health, and so forth) that occupy or will occupy the property?**
    ☐ Yes ☐ No ■ Unknown

Print Name: Mark Pleis **Date:** 12/22/2022

First American Title

First American Title Company

4750 Willow Road, Suite 275
Pleasanton, CA 94588

Escrow Officer:	Jules Fulop
Phone:	(925)201-6603
Fax No.:	(866)648-7806
E-Mail:	jfulop@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:	
Owner:	Cornerstone Fellowship of Livermore, California and The Chu Family Trust Agreement
Property:	APNs: 905-0015-008, 905-0015-026, 905-0015-027, 905-0015-028 &, 905-0015-029 Livermore, CA 94551

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 December 22, 2022 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:

CORNERSTONE FELLOWSHIP OF LIVERMORE CALIFORNIA, A CALIFORNIA NONPROFIT RELIGIOUS CORPORATION, AS TO PARCEL ONE AND YUET-MING CHU AND MIRIAM L. CHU, TRUSTEES UNDER THE CHU FAMILY TRUST AGREEMENT DATED NOVEMBER 13, 1986, AS TO PARCEL TWO

The estate or interest in the land hereinafter described or referred to covered by this Report is:

A fee as to Parcel(s) One and Two, an easement as to Parcel(s) One-A.

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 2023-2024, a lien not yet due or payable.

2. General and special taxes and assessments for the fiscal year 2022-2023.

First Installment:	$8,202.38, PAID
Penalty:	$0.00
Second Installment:	$8,202.38, OPEN
Penalty:	$0.00
Tax Rate Area:	16-033
A. P. No.:	905-0015-026

(Affects Parcel 1 of Parcel One)

3. General and special taxes and assessments for the fiscal year 2022-2023.

First Installment:	$6,627.40, PAID
Penalty:	$0.00
Second Installment:	$6,627.40, OPEN
Penalty:	$0.00
Tax Rate Area:	16-033
A. P. No.:	905-0015-027

(Affects Parcel 2 of Parcel One)

4. General and special taxes and assessments for the fiscal year 2022-2023.

First Installment:	$6,802.40, PAID
Penalty:	$0.00
Second Installment:	$6,802.40, OPEN
Penalty:	$0.00
Tax Rate Area:	16-033
A. P. No.:	905-0015-028

(Affects Parcel 3 of Parcel One)

5. General and special taxes and assessments for the fiscal year 2022-2023.

First Installment:	$8,844.03, PAID
Penalty:	$0.00
Second Installment:	$8,844.03, OPEN
Penalty:	$0.00
Tax Rate Area:	16-033
A. P. No.:	905-0015-029

(Affects Parcel 4 of Parcel One)

6. General and special taxes and assessments for the fiscal year 2022-2023.

First Installment:	$4,637.38, PAID
Penalty:	$0.00
Second Installment:	$4,637.38, OPEN
Penalty:	$0.00
Tax Rate Area:	16-033
A. P. No.:	905-0015-008

(Affects Parcel Two)

7. Assessment liens, if applicable, collected with the general and special taxes, including but not limited to those disclosed by the reflection of the following on the tax roll:

Community Facilities District City of Livermore CFD No. 99-1.

(Affects Parcel One)

8. The land lies within the boundaries of proposed community facilities County of Alameda Boundary of PW-2006-1 County Service Area, as disclosed by a map filed March 6, 2007 in Book 16, Page 69 of maps of assessment and community facilities districts.

(Affects Parcel Two)

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

The Following Matters Affect Parcel One:

10. A waiver of any claims for damages by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway, roadway or transit facility as contained in the document recorded May 16, 1950 as Instrument No. AE-42535, in Book 6109, Page 24 of Official Records.

11. An easement for drainage and incidental purposes, recorded October 03, 1968 as Instrument No. BA108729, in Book 2266, Page 64 of Official Records.
In Favor of: State of California
Affects: A Southwesterly portion of Parcel 1

12. An easement for drainage and incidental purposes, recorded January 07, 1969 as Instrument No. 69-1933, in Book 2322, Page 976 of Official Records.
In Favor of: State of California
Affects: A Southwesterly portion of Parcel 1

13. A waiver of any claims for damages by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway, roadway or transit facility as contained in the document recorded February 27, 1969 as Instrument No. 69-22242, in Book 2354, Page 875 of Official Records.

14. An easement for drainage and incidental purposes, recorded May 27, 1969 as Instrument No. 69-58782, in Book 2409, Page 756 of Official Records.
In Favor of: State of California
Affects: A Southwesterly portion of Parcel 1

15. Covenants, conditions, restrictions, easements, assessments, liens, charges, terms and provisions in the document recorded September 29, 1987 as Instrument No. 87-266895 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 July 30, 1993 as Instrument No. 93272900 of Official Records.

Document(s) declaring modifications thereof recorded March 29, 1999 as Instrument No. 99131949 of Official Records.

Document(s) declaring modifications thereof recorded May 17, 2001 as Instrument No. 2001167585 of Official Records.

Document(s) declaring modifications thereof recorded May 16, 2006 as Instrument No. 2006194903 of Official Records.

Document(s) declaring modifications thereof recorded April 12, 2022 as Instrument No. 2022-072920 of Official Records.

16. The terms and provisions contained in the document entitled "Amended and Restated Subdivision Improvement Agreement" recorded July 16, 1993 as Instrument No. 93255152 of Official Records.

Document(s) declaring modifications thereof recorded September 10, 1999 as Instrument No. 99347144 of Official Records.

Document(s) declaring modifications thereof recorded September 10, 1999 as Instrument No. 99347145 of Official Records.

Document(s) declaring modifications thereof recorded March 02, 2000 as Instrument No. 2000064608 of Official Records.

Document(s) declaring modifications thereof recorded December 28, 2001 as Instrument No. 2001506209 of Official Records.

Resolution No. 2003-22 of the City Council of the City of Livermore, a Resolution Authorizing Acceptance of Improvements (North Canyons Parkway Medians) recorded February 21, 2003 as Instrument No. 2003104533 of Official Records.

17. An offer of dedication for reclaimed water line easement and incidental purposes, recorded September 10, 1999 as Instrument No. 99347158 of Official Records.
To: City of Livermore, a municipal corporation

(Affects Southerly portion of Parcels 1 and 2)

18. The terms, provisions and easement(s) contained in the document entitled "Conservation Easement Deed and Agreement" recorded October 23, 2000 as Instrument No. 2000315491 of Official Records.

(Affects A Westerly portion of Parcels 1, 3 and 4)

19. An easement for conservation of water, wildlife habitat, open space and scenic qualities and incidental purposes, recorded October 23, 2000 as Instrument No. 2000315491 of Official Records.
In Favor of: California Regional Water Quality Control Board, San Francisco Bay Region
Affects: A Westerly portion of Parcels 1, 3 and 4

20. An offer of dedication for public utilities and sidewalk easement and incidental purposes, recorded March 23, 2001 as Instrument No. 2001099901 of Official Records.
To: City of Livermore, a municipal corporation

(Affects Southerly portion of Parcels 1 and 2)

21. The terms, provisions and easement(s) contained in the document entitled "Agreement for Transfer of Abandoned Road Right of Way and Fee Interests and Offer of Dedication" recorded August 13, 2001 as Instrument No. 2001295928 of Official Records.

(Affects Southerly portion of Parcels 1 and 2)

22. An offer of dedication for potential expansion of new lanes on Interstate 580 and/or the installation of Bay Area Rapid Transit rail lines and incidental purposes, recorded August 13, 2001 as Instrument No. 2001295928 of Official Records.
To: City of Livermore, a municipal corporation

(Affects Southerly portion of Parcels 1 and 2)

23. The fact that a Westerly portion of the land lies within a "100 Year Flood Plain" as disclosed by Parcel Map 7422, filed August 13, 2001 in Book 260, Pages 36 through 42, inclusive, of Maps, Alameda County Records.

Affects Parcels 1, 3 and 4

24. An easement shown or dedicated on the map of Parcel Map - 7422 recorded August 13, 2001 and on file in Book 260, Page 36 to 42, of Parcel Maps.
For: Storm drain and incidental purposes.

(Affects Parcels 1, 3 and 4)

25. An easement shown or dedicated on the map of Parcel Map - 7422 recorded August 13, 2001 and on file in Book 260, Page 36 to 42, of Parcel Maps.
For: Public utility and incidental purposes.

(Affects Parcels 1 and 2)

26. An offer of dedication for public highway and incidental purposes, recorded August 13, 2001 as Instrument No. 2001295932 of Official Records.
To: City of Livermore, a municipal corporation

(Affects The Southerly 40 feet of Parcels 1 and 2)

27. An easement for water well and water pipelines and incidental purposes, recorded March 29, 2002 as Instrument No. 2002142441 of Official Records .
In Favor of: Tri-Valley Vineyards LLC, a California limited liability company
Affects: Parcels 2, 3 and 4

Terms and provisions contained in the above document.

28. An easement shown or dedicated on the map of Parcel Map - 7725 recorded May 07, 2002 and on file in Book 266, Page 12 to 13, of Parcel Maps.
For: Public utility, sidewalk and incidental purposes.

(Affects Parcels 2, 3 and 4)

29. The terms and provisions contained in the document entitled "Subdivision Improvement Agreement" recorded August 13, 2001 as Instrument No. 2001295933 of Official Records.

30. An easement for flight, passage of aircraft and incidental purposes, recorded August 13, 2001 as Instrument No. 2001295934 of Official Records.

In Favor of:	City of Livermore, a municipal corporation
Affects:	As described therein

The location of the easement cannot be determined from record information.

Terms and provisions contained in the above document.

31. The terms, provisions and easement(s) contained in the document entitled "Reciprocal Easement Agreement" recorded October 16, 2003 as Instrument No. 2003617059 of Official Records.

Document entitled "First Amendment to Reciprocal Easement Agreement" declaring modifications thereof recorded December 23, 2010 as Instrument No. 2010385033 of Official Records.

An easement as contained in the above document.

For: Parking, ingress and egress and incidental purposes.

32. A Deed of Trust to secure an original indebtedness of $14,350,000.00 recorded September 1, 2015 as Instrument No. 2015242610 , Alameda County Official Records.

Dated:	August 27, 2015
Trustor:	Cornerstone Fellowship of Livermore California, a California non-profit religious corporation
Trustee:	First Santa Clara Corporation, a California corporation
Beneficiary:	Bank of the West, a California banking corporation
Affects:	The land and other property.

The above deed of trust states that it secures an equity line/revolving line of credit.

A document disclosing an additional advance in the amount of $7,500,000.00, recorded August 01, 2016 as Instrument No. 2016192346 of Official Records.

A document recorded August 01, 2016 as Instrument No. 2016192346 of Official Records provides that the deed of trust or the obligation secured thereby has been modified.

A document recorded September 15, 2017 as Instrument No. 2017202668 of Official Records provides that the deed of trust or the obligation secured thereby has been modified.

33. Any claim that any portion of the land is below the ordinary high water mark where it was located prior to any artificial or avulsive changes in the location of the shoreline or riverbank.

34. Any rights, interests, or easements in favor of the public, which exist or are claimed to exist over any portion of said land covered by water, including a public right of access to the water.

35. Any claim that any portion of the land is or was formerly tidelands or submerged lands.

The Following Matters Affect Parcel Two:

36. An easement for public highway and incidental purposes, recorded April 29, 1937 as Book 3489, Page 74 of Official Records.
In Favor of: County of Alameda
Affects: An Easterly portion of the land, (over Collier Canyon Road or County Road No. 7749)

37. An offer of dedication for Storm drain and incidental purposes, recorded September 10, 1999 as Instrument No. 99347156 of Official Records.
To: City of Livermore, a municipal corporation

The effect of a document entitled "Acceptance of Irrevocable Offer of Dedication", recorded February 3, 2003 as Instrument No. 2003062799 of Official Records.

The Following Matters Affect All Parcels:

38. Any easements and/or servitudes affecting easement parcel(s) One-A herein described.

38A. Water rights, claims or title to water, whether or not shown by the public records.

39. Rights of the public in and to that portion of the Land lying within any Road, Street, Alley or Highway.

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

41. Rights of parties in possession.

Prior to the issuance of any policy of title insurance, the Company will require:

42. With respect to Cornerstone Fellowship of Livermore California, a California nonprofit religious corporation:
a. A certificate of good standing of recent date issued by the Secretary of State of the corporation's state of domicile.
b. A certified copy of a resolution of the Board of Directors authorizing the contemplated transaction and designating which corporate officers shall have the power to execute on behalf of the corporation.
c. Other requirements which the Company may impose following its review of the material required herein and other information which the Company may require.

(Affects Parcel One)

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

(Affects Parcel Two)

44. 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. The property covered by this report is vacant land.

2. 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:

   None

3. 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.

   Affects: Parcel Two

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 Livermore , County of Alameda, State of California, described as follows:

PARCEL ONE:

PARCELS 1, 2, 3 AND 4, PARCEL MAP 9270, FILED DECEMBER 11, 2007 IN BOOK 304, PAGES 1, 2 AND 3 OF MAPS, ALAMEDA COUNTY RECORDS.

PARCEL ONE-A:

A NON-EXCLUSIVE EASEMENT, APPURTENANT TO PARCEL ONE ABOVE, TO ERECT AND USE A BRIDGE FOR PEDESTRIAN AND VEHICULAR INGRESS AND EGRESS AND FOR PERFORMING MAINTENANCE ACTIVITIES, AS GRANTED IN SECTION 9 OF THAT CERTAIN FIRST AMENDMENT TO RECIPROCAL EASEMENT AGREEMENT RECORDED DECEMBER 23, 2010 AS INSTRUMENT NO. 2010385033 OF OFFICIAL RECORDS, OVER THE FOLLOWING DESCRIBED LAND:

BEING A PORTION OF PARCEL "A" AS SAID PARCEL IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PARCEL MAP NO. 8052, FILED ON APRIL 28, 2003 IN BOOK 270 OF MAPS, PAGE 61, OFFICIAL RECORDS OF ALAMEDA COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE MOST SOUTHERLY CORNER OF SAID PARCEL "A" AS SHOWN ON SAID MAP; THENCE ALONG THE EASTERLY LINE OF SAID PARCEL "A", ALONG THE ARC OF A 825.00 FOOT RADIUS CURVE TO THE LEFT, THE CENTER OF WHICH CURVE BEARS SOUTH 83° 36' 40" WEST, THROUGH A CENTRAL ANGLE OF 2° 28' 58", AN ARC DISTANCE OF 35.75 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION;

THENCE FROM SAID POINT OF BEGINNING, CONTINUING ALONG SAID EASTERLY LINE, AND SAID 825.00 FOOT RADIUS CURVE TO THE LEFT, THROUGH A CENTRAL ANGLE OF 2° 32' 36", AN ARC DISTANCE OF 36.62 FEET; THENCE LEAVING SAID LINE THE FOLLOWING FOUR (4) COURSES:

1) NORTH 89° 34' 57" WEST, 71.75 FEET;

2) ALONG THE ARC OF A 278.00 FOOT RADIUS TANGENT CURVE TO THE LEFT, THROUGH A CENTRAL ANGLE OF 14° 02' 55", AN ARC DISTANCE OF 68.16 FEET;

3) ALONG THE ARC OF A 223.00 FOOT RADIUS REVERSE CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 14° 42' 56", AN ARC DISTANCE OF 57.27 FEET;

4) NORTH 88° 54' 56" WEST, 32.38 FEET TO A POINT ON THE WESTERLY LINE OF SAID PARCEL "A";

THENCE ALONG SAID WESTERLY LINE, SOUTH 29° 28' 00" EAST, 50.00 FEET; THENCE LEAVING SAID LINE THE FOLLOWING FIVE (5) COURSED:

1) ALONG THE ARC OF A 243.00 FOOT RADIUS NON-TANGENT CURVE TO THE LEFT, THE CENTER OF WHICH CURVE BEARS NORTH 1° 39' 06" EAST, THROUGH A CENTRAL ANGLE OF 16° 31' 50", AN ARC DISTANCE OF 70.11 FEET;

2) ALONG THE ARC OF A 237.00 FOOT RADIUS REVERSE CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 15° 17' 47", AN ARC DISTANCE OF 63.27 FEET;

3) SOUTH 89° 34' 57" EAST, 12.10 FEET;

4) NORTH 0° 25' 03" EAST, 5.00 FEET;

5) SOUTH 89° 34' 57" EAST, 66.17 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION.

PARCEL TWO:

A PORTION OF LOT 15 OF THE BERNAL PORTION OF RANCHO EL VALLE DE SAN JOSE, BOUNDED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE CENTERLINE OF U.S. HIGHWAY NO. 50, 66 FEET WIDE, (FORMERLY COUNTY ROAD FROM DUBLIN TO LIVERMORE), WITH THE CENTER LINE OF COLLIER CANYON ROAD, ALSO KNOWN AS COUNTY ROAD NO. 7749, FORMERLY COUNTY ROAD NO. 2013, AS THE SAME NOW EXISTS, 60 FEET WIDE; THENCE RUNNING ALONG LAST NAMED CENTER LINE NORTH 0° 01' 10" EAST 961.31 FEET TO THE POINT OF BEGINNING OF THE PROPERTY HEREIN DESCRIBED; THENCE CONTINUING ALONG SAID LAST NAMED CENTER LINE THE 2 FOLLOWING COURSES AND DISTANCES NORTH 0° 01' 15" EAST 392.14 FEET, AND NORTHEASTERLY ON THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 400 FEET, TANGENT TO THE LAST SAID COURSE, A DISTANCE OF 96.74 FEET; THENCE LEAVING SAID CENTER LINE SOUTH 89° 58' 15" WEST 73.72 FEET; THENCE SOUTH 45° 31' 15" WEST 403.68 FEET; THENCE SOUTH 0° 01' 15" WEST 205 FEET; THENCE SOUTH 89° 58' 45" EAST 350 FEET TO THE CENTER LINE OF SAID COLLIER CANYON ROAD AND THE POINT OF BEGINNING OF PROPERTY HEREIN DESCRIBED.

EXCEPTING THEREFROM THAT PORTION THEREOF LYING EASTERLY OF THE CENTER LINE OF COUNTY ROAD NO. 2013, AS THE SAME EXISTED PRIOR TO ITS REALIGNMENT AND REDESIGNATION AS COUNTY ROAD NO. 7749.

APN: 905-0015-026 (Affects Parcel 1 of Parcel One)
905-0015-027 (Affects Parcel 2 of Parcel One)
905-0015-028 (Affects Parcel 3 of Parcel One)
905-0015-029 (Affects Parcel 4 of Parcel One) and
905-0015-008 (Affects Parcel Two)

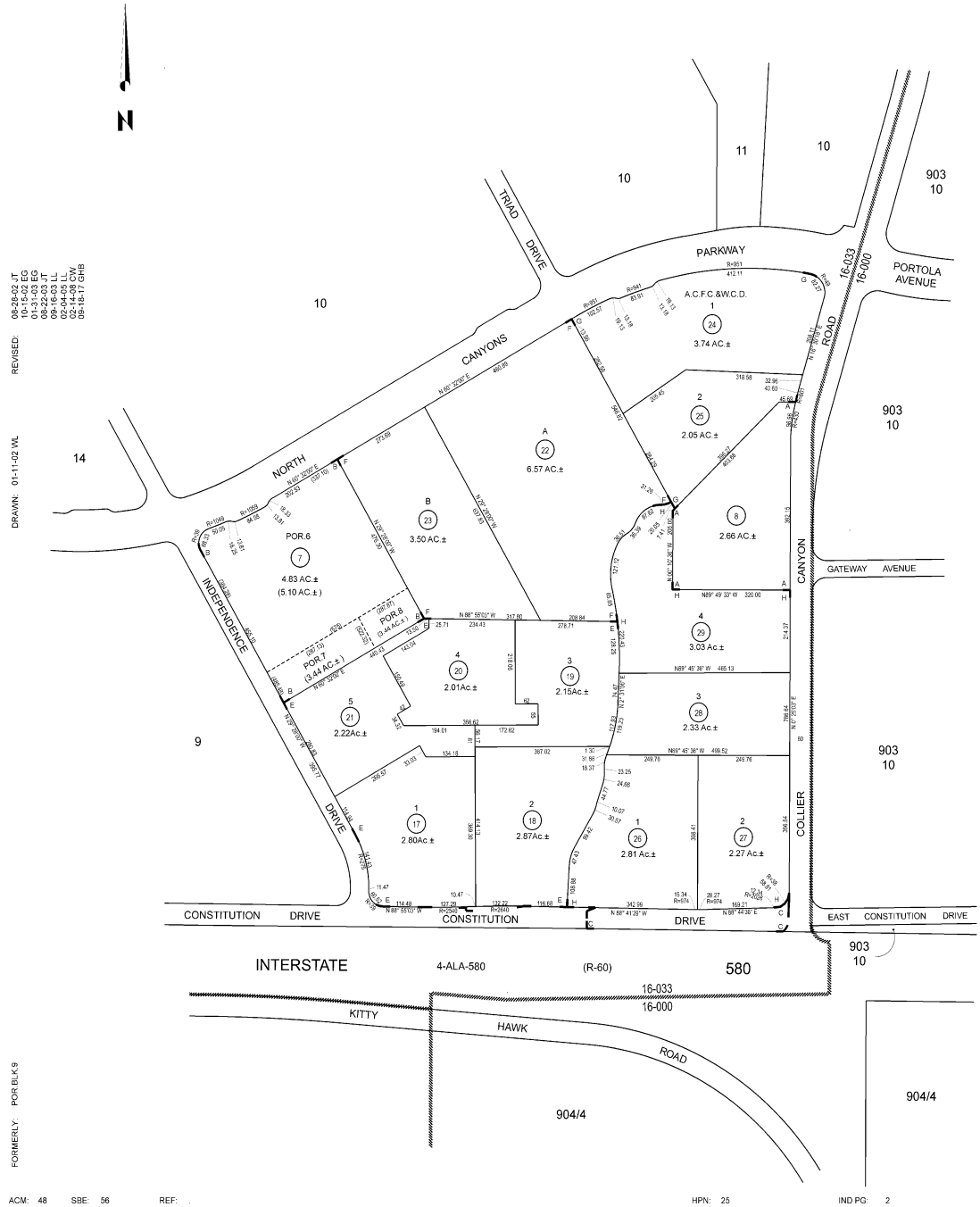
ASSESSOR'S MAP 905

15

SCALE: 1" = 200'

Code Area Nos. 16-033

(A)	RANCHO EL VALLE DE SAN JOSE	267/73-80					
(B)	P.M.5196	172/9-10	(E)	TR.7272	267/73-80	(H)	P.M. 9270	304/1-3
(C)	P.M.7422	260/36-42	(F)	P.M.8052	270/61-62		
(D)	P.M.7725	266/12-13	(G)	P.M.8322	278/35-37		



REVISED: 06-28-02 JT; 10-15-02 EG; 01-13-03 EG; 06-23-03 JT; 09-16-03 LL; 02-04-05 LL; 05-14-07 CW; 09-18-17 GHB

DRAWN: 01-11-02 WL

FORMERLY: POR.BLK.9

ACM: 48 SBE: 56 REF: HPN: 25 IND PG: 2

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 unless such lien is shown by the public records at Date of Policy.

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 unless such lien is shown by the Public Records at Date of Policy.

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 unless such lien is shown by the Public Records at Date of Policy.
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.

APPENDIX F

SITE PHOTOGRAPHS





























APPENDIX G

VAPOR ENCROACHMENT SCREEN

Vacant Land
2620 & 2768 COLLIER CANYON RD
Livermore, CA 94551

Inquiry Number: 7208710.2s
December 21, 2022

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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

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Record Sources and Currency	GR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	3	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	1	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	2	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	12	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

VACANT LAND
2620 & 2768 COLLIER CANYON RD
LIVERMORE, CA 94551

COORDINATES

Latitude (North):	37.702924 - 37° 42′ 10.522156″
Longitude (West):	121.807036 - 121° 48′ 25.334473″
Elevation:	420 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
2304 KITTYHAWK RD. AST: AST	2304 KITTYHAWK RD.	<1/10 SSW	◆ 4	16
LAM RESEARCH CORPORATION - LIVERMORE CAMPUS ECHO: ECHO RCRA-SQG: RCRA-SQG FINDS: FINDS NPDES: NPDES HAZNET: HAZNET CERS: CERS CIWQS: CIWQS HWTS: HWTS	1 PORTOLA AVE	<1/10 NNE	▲ C5	16
EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, IN RCRA-LQG: RCRA-LQG	2441 CONSTITUTION DRIVE	<1/10 W	▲ D9	89
THE NATIONAL FOOD LABORATORY, INC. RCRA-LQG: RCRA-LQG	2441 CONSTITUTION DRIVE	<1/10 W	▲ D12	103

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
CALTROL INC RCRA NonGen / NLR: RCRA NonGen / NLR	2685 COLLIER CANYON RD	<1/10 NE	▲ 1	9
3055 LIVERMORE OWNER LLC RCRA NonGen / NLR: RCRA NonGen / NLR	3077 TRIAD DR	<1/10 NNW	▲ 2	12
ZONE 7 WATER AGENCY, ADMINISTRATION/LABORATORY CUPA Listings: CUPA	100 NORTH CANYONS PARKWAY	<1/10 N	▲ B3	15
LAM RESEARCH CORPORATION - LIVERMORE CAMPUS ECHO: ECHO RCRA-SQG: RCRA-SQG FINDS: FINDS NPDES: NPDES HAZNET: HAZNET CERS: CERS CIWQS: CIWQS HWTS: HWTS	1 PORTOLA AVE	<1/10 NNE	▲ C5	16
LAM RESEARCH CORPORATION (CA31) CERS: CERS CERS HAZ WASTE: CERS HAZ WASTE	1 PORTOLA AVE	<1/10 NNE	▲ C6	82

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
LAM RESEARCH CORPORATION CUPA Listings: CUPA	1 PORTOLA AVENUE	<1/10 NNE	▲ C7	87
AT&T CALIFORNIA - PE321 CUPA Listings: CUPA CERS: CERS	198 N CANYONS PKWY	<1/10 N	▲ B8	87
OLYMPIAN GULF PROPERTIES RCRA NonGen / NLR: RCRA NonGen / NLR	2441 CONSTITUTION DRIVE	<1/10 W	▲ D10	96
OLYMPIAN GULF PROPERTIES RCRA NonGen / NLR: RCRA NonGen / NLR	2441 CONSTITUTION DRIVE	<1/10 W	▲ D11	100
TECH CENTER CERS HAZ WASTE: CERS HAZ WASTE HAZNET: HAZNET	2441 CONSTITUTION DR	<1/10 W	▲ D13	107
KLA-TENCOR CORPORATION PFAS ECHO: PFAS ECHO	37.70582/-121.80499	<1/10 NNE	▲ C14	146
LAM RESEARCH CORPORATION PFAS ECHO: PFAS ECHO	37.70582/-121.80499	<1/10 NNE	▲ C15	148

EDR HIGH RISK HISTORICAL RECORDS

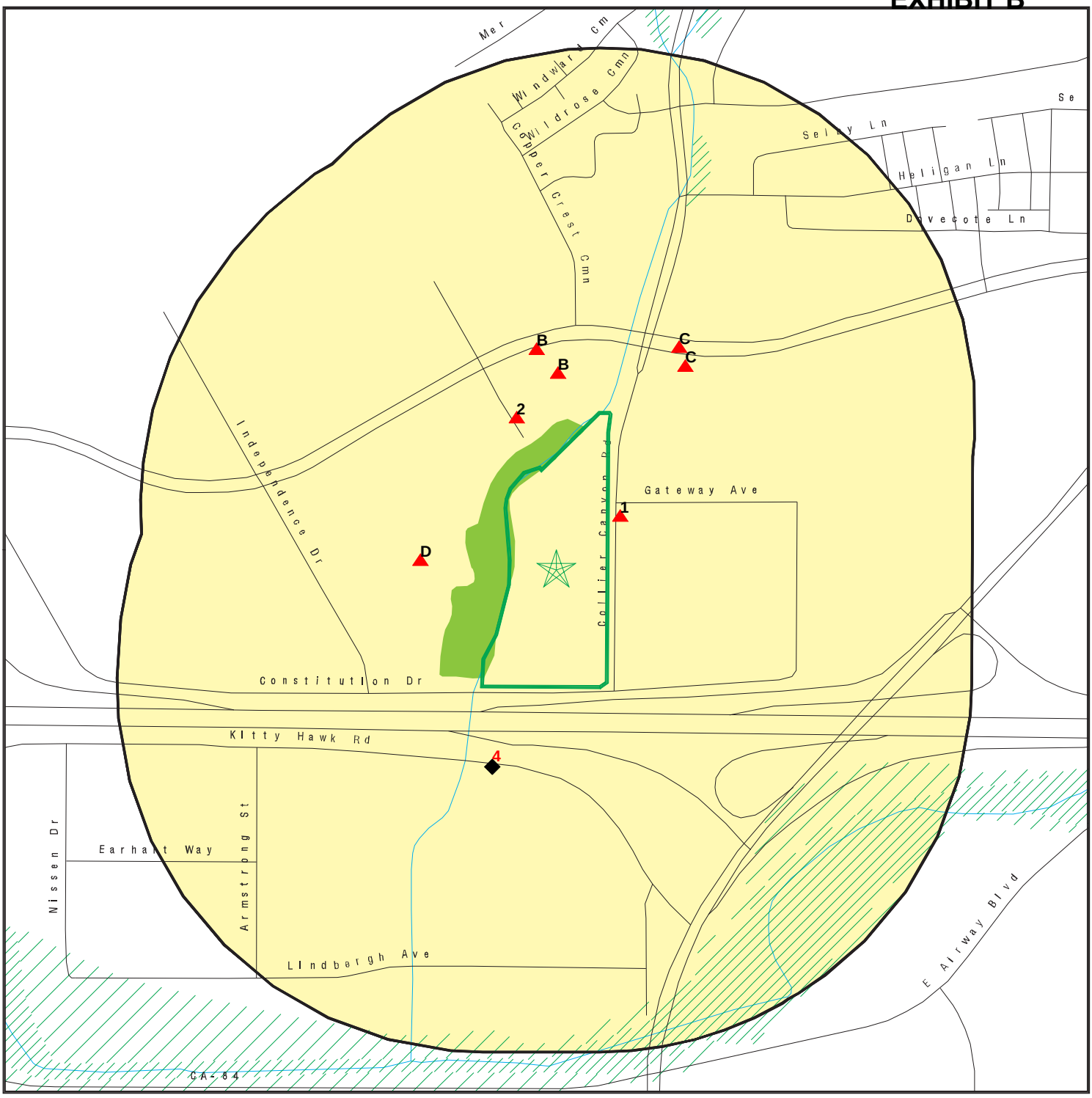
Name	Address	Dist/Dir	Map ID	Page
Not Reported				

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 7208710.2S

EXHIBIT B



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

0 300 1/3 1/2 Miles

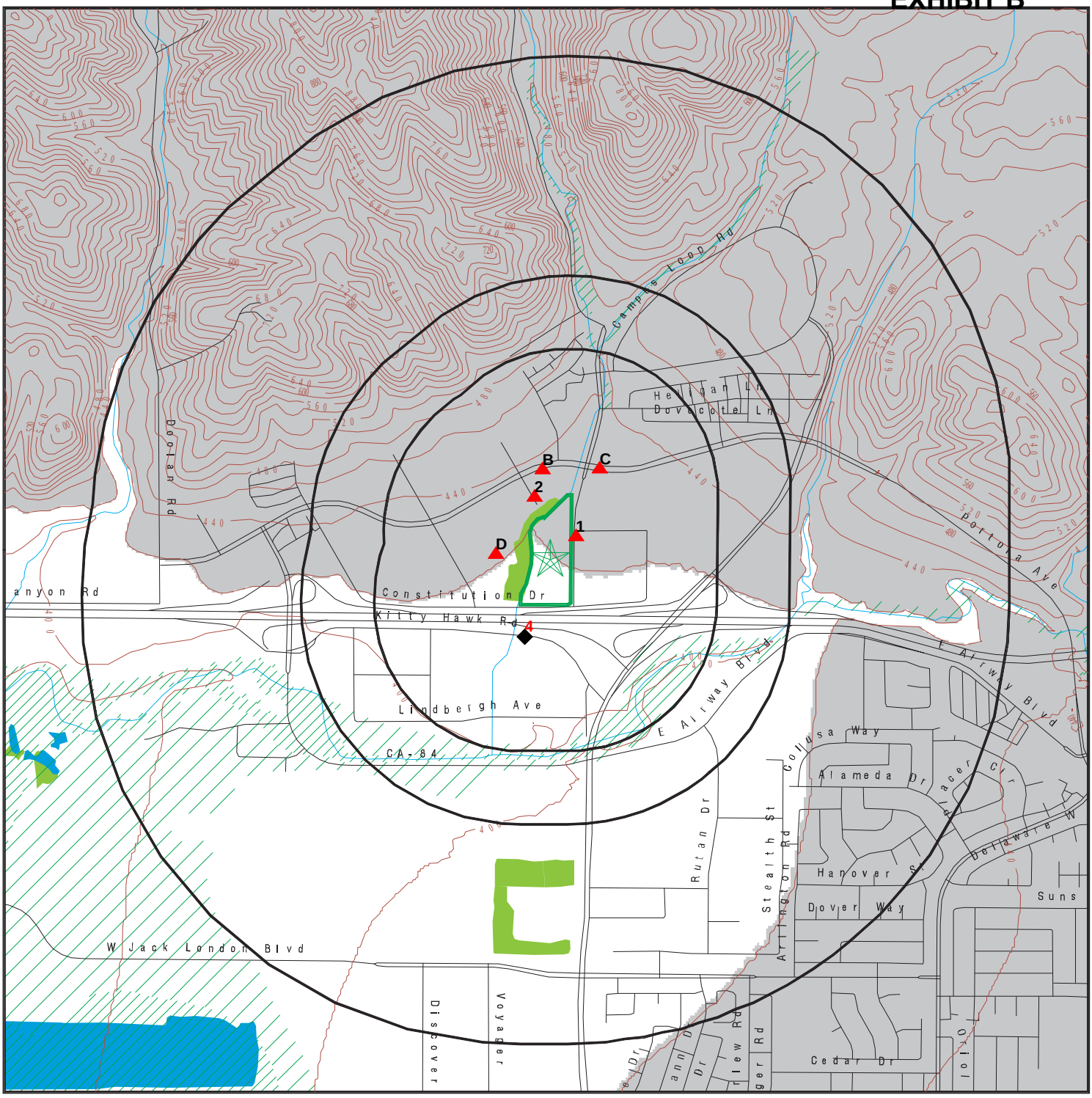
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Vacant Land	CLIENT:	KCE Matrix
ADDRESS:	2620 & 2768 COLLIER CANYON RD Livermore CA 94551	CONTACT:	Aram Kaloustian
LAT/LONG:	37.702924 / 121.807036	INQUIRY #:	7208710.2s
		DATE:	December 20, 2022 4:14 pm

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SECONDARY MAP - 7208710.2S

EXHIBIT B



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- 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: Vacant Land	CLIENT: KCE Matrix
ADDRESS: 2620 & 2768 COLLIER CANYON RD Livermore CA 94551	CONTACT: Aram Kaloustian
LAT/LONG: 37.702924 / 121.807036	INQUIRY #: 7208710.2s DATE: December 20, 2022 4:13 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

CALTROL INC 2685 COLLIER CANYON RD, LIVERMORE, CA, 94551			EDR SITE ID NUMBER 1025873860
▲ 1	NE <1/10	(60 ft. / 0.011 mi.)	Other Ascertainable Records
	3 ft. Higher Elevation	423 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

RCRA Listings: Other Ascertainable Records

Date Form Received by Agency:	20190625
Handler Name:	CALTROL INC
Handler Address:	2685 COLLIER CANYON RD
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAL000446988
Contact Name:	JOSEPH SAVOLDI
Contact Address:	2685 COLLIER CANYON RD
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	925-344-9235
Contact Fax:	925-846-0396
Contact Email:	JOE.SAVOLDI@CATROL.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:	1385 PAMA LANE STE 111
Mailing City,State,Zip:	LAS VEGAS, CA 89119

MAP FINDINGS

CALTROL INC, 2685 COLLIER CANYON RD, LIVERMORE, CA 94551 (Continued)

Owner Name:	CALTROL INC
Owner Type:	Other
Operator Name:	JOSEPH SAVOLDI
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

CALTROL INC, 2685 COLLIER CANYON RD, LIVERMORE, CA 94551 (Continued)

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:	20190729
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:	CALTROL INC
Legal Status:	Other
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	1385 PAMA LANE STE 111
Owner/Operator City,State,Zip:	LAS VEGAS, CA 89119
Owner/Operator Telephone:	702-966-1800
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOSEPH SAVOLDI
Legal Status:	Other
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	2685 COLLIER CANYON RD
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	925-344-9235
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	20190625
Handler Name:	CALTROL INC
Federal Waste Generator Description:	Not a generator, verified

CALTROL INC, 2685 COLLIER CANYON RD, LIVERMORE, CA 94551 (Continued)

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:	425120
NAICS Description:	WHOLESALE TRADE AGENTS AND BROKERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

3055 LIVERMORE OWNER LLC 3077 TRIAD DR, LIVERMORE, CA, 94551			1026827603
▲ 2	NNW <1/10	(256 ft. / 0.049 mi.)	Other Ascertainable Records
	7 ft. Higher Elevation	427 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

RCRA Listings: Other Ascertainable Records

Date Form Received by Agency:	20210518
Handler Name:	3055 LIVERMORE OWNER LLC
Handler Address:	3077 TRIAD DR
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAL000462573
Contact Name:	YOLANDA DAWAN
Contact Address:	2010 CROW CANYON PL STE 125
Contact City,State,Zip:	SAN RAMON, CA 94583
Contact Telephone:	925-275-9010
Contact Fax:	Not Reported
Contact Email:	YOLANDA.DAWAN@NGKF.COM
Contact Title:	Not Reported
EPA Region:	09
Land Type:	Not Reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not Reported

MAP FINDINGS

3055 LIVERMORE OWNER LLC, 3077 TRIAD DR, LIVERMORE, CA 94551 (Continued)

Biennial Report Cycle:	Not Reported
Accessibility:	Not Reported
Active Site Indicator:	Not Reported
State District Owner:	Not Reported
State District:	Not Reported
Mailing Address:	2010 CROW CANYON PL STE 125
Mailing City,State,Zip:	SAN RAMON, CA 94583
Owner Name:	3055 LIVERMORE OWNER LLC
Owner Type:	Other
Operator Name:	YOLANDA DAWAN
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

3055 LIVERMORE OWNER LLC, 3077 TRIAD DR, LIVERMORE, CA 94551 (Continued)

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:	20210521
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:	3055 LIVERMORE OWNER LLC
Legal Status:	Other
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	2010 CROW CANYON PL STE 125
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-275-9010
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	YOLANDA DAWAN
Legal Status:	Other
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	2010 CROW CANYON PL STE 125
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-275-9010
Owner/Operator Telephone Ext:	Not Reported

3055 LIVERMORE OWNER LLC, 3077 TRIAD DR, LIVERMORE, CA 94551 (Continued)

Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	20210518
Handler Name:	3055 LIVERMORE OWNER LLC
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:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	711310
NAICS Description:	PROMOTERS OF PERFORMING ARTS, SPORTS, AND SIMILAR EVENTS WITH FACILITIES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

ZONE 7 WATER AGENCY, ADMINISTRATION/LABORATORY 100 NORTH CANYONS PARKWAY, LIVERMORE, CA,			S120761735
▲ B3	N <1/10	(273 ft. / 0.052 mi.)	Other Ascertainable Records
	10 ft. Higher Elevation	430 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

CUPA LIVERMORE-PLEASANTON: Other Ascertainable Records

CERS ID:	10398571
Name:	ZONE 7 WATER AGENCY, ADMINISTRATION/LABORATORY
Address:	100 NORTH CANYONS PARKWAY
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/

MAP FINDINGS

2304 KITTYHAWK RD. 2304 KITTYHAWK RD., LIVERMORE, CA,			A100336880
◆ 4	SSW <1/10	(386 ft. / 0.073 mi.)	Lists of state and tribal registered storage tanks
	7 ft. Lower Elevation	413 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

AST: Lists of state and tribal registered storage tanks

Name:	Not Reported
Address:	2304 KITTYHAWK RD.
City/Zip:	LIVERMORE,
Certified Unified Program Agencies:	Livermore-Pleasanton
Owner:	Livermore Auto Grp - Chrysler
Total Gallons:	1,715
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS 1 PORTOLA AVE, LIVERMORE, CA, 94551			1014387909
▲ C5	NNE <1/10	(423 ft. / 0.08 mi.)	Lists of Federal RCRA generators Other Ascertainable Records
	8 ft. Higher Elevation	428 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency:	20170412
Handler Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Handler Address:	1 PORTOLA AVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000215442
Contact Name:	DINA C SCHILLER
Contact Address:	CUSHING BLVD
Contact City,State,Zip:	FREMONT, CA 94538
Contact Telephone:	510-572-3840
Contact Fax:	Not Reported
Contact Email:	DINA.SCHILLER@LAMRESEARCH.COM
Contact Title:	SR EHS MGR
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:	CUSHING BLVD
Mailing City,State,Zip:	FREMONT, CA 94538
Owner Name:	LAM RESEARCH CORP
Owner Type:	Private
Operator Name:	LAM RESEARCH CORPORATION
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

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:	20170503
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:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Waste Description: BENZENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: LAM RESEARCH CORP
Legal Status: Private
Date Became Current: 20000101
Date Ended Current: Not Reported
Owner/Operator Address: 4650 CUSHING BLVD
Owner/Operator City,State,Zip: FREMONT, CA 94538
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: LAM RESEARCH CORP
Legal Status: Private
Date Became Current: 20100101
Date Ended Current: Not Reported
Owner/Operator Address: 4650 CUSHING BLVD
Owner/Operator City,State,Zip: FREMONT, CA 94538
Owner/Operator Telephone: 510-572-3840
Owner/Operator Telephone Ext: Not Reported
Owner/Operator Fax: Not Reported
Owner/Operator Email: Not Reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LAM RESEARCH CORPORATION
Legal Status: Private
Date Became Current: 20000101
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: LAM RESEARCH CORPORATION
Legal Status: Private
Date Became Current: 20100101
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

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Historic Generators:

Receive Date:	20101201
Handler Name:	LAM RESEARCH CORPORATION
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:	20170412
Handler Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
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:	333295
NAICS Description:	SEMICONDUCTOR MACHINERY MANUFACTURING

NAICS Code:	333318
NAICS Description:	OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS: Other Ascertainable Records

Registry ID:	110043233391
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110043233391

Environmental Interest/Information System:

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

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

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4pX4sxpujX6r2exsGLxLX998u.8jGL9HE6TNrFe26fedixDT3PGGwyLgQ9G6L5DXFJ4uR9mY8yH3Nt.yV8xI206GoOLS24f8pOZXgU2cSsOdxYz8ngu79jMC30q6b8rZB4Jqersx4M4DUGSeLnj2SSLmgXit48L9i88WV4XS.iX8Xv4ZOptjXdj3exsBVx6Q2EPudcj5e9jN62HrKh4cUebGxCX2LOGn2LlhAONLLMXVg9nN9Nk86Y3LX.bY8ZB2NCGgpLBW1lrH4VEUA4m.TBONyVueJFyze7E4d4p9FXnU37Ms9Dxts24muIWjI.3DU6UVrJp2FAeToxMI3LLG5LLXn6TnLlZXNg5m99IY8nwAaw.ts8dZ9X8GvNLAIBJsHAwEGn2MwT37NcTBLIFELeAU2 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1014387909
Registry ID:	110043233391
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110043233391
Name:	LAM RESEARCH CORPORATION
Address:	1 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551

HAZNET: Other Ascertainable Records

Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	1 PORTOLA AVE
Address 2:	Not Reported
City,State,Zip:	LIVERMORE, CA 945510000
Contact:	KEVIN LLOYD
Telephone:	5104029858
Mailing Name:	Not Reported
Mailing Address:	4650 CUSHING PKWY
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
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:	0.5205
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NVT330010000
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0205
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NED981723513
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.446
Year:	2021

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.025
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
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:	0.0055
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0115
Year:	2021
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.033
Year:	2020
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0275
Year:	2020
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
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:	0.1875
Year:	2020
Gepaid:	CAR000215442
TSD EPA ID:	NMD002208627
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0325

The Click here to access 52 additional CA HAZNET: record(s) in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4Le4W2LPaedk2inWhl2M5993Pkvajm9ySdyXkAj2ajiDknsh3N7hiflHf9q2MLS5qg4T69CS3cV3mAkBYv2S2gBjTymEX4W.LlHekV2asWq422c8hePbuarP3sDdnskCK4OwixgnIz4zfhorlHN2xcMgv5dX4E895p3AZ4WrkTpvWx4uzLl0eos3w9WBM2br22mPRbaW.9esdhWk6s4F.iaWnAK2NXhodlL5Aw7M9Q5DI9pM9WZ3z73f9kNNv2v2U2jT6mvw1etyVIS0J4LJyOvXnpuUWAH4jW.47LLIMeD63FCWLY27c2PSPOKaMz3HzdtAkaT2YMic3ntw3Gzhcalg563PMfN5tJ5YI9MA3n8A3LkvUvAO9JajofmGJBxlynbS.32D8ypTXV7B96AlGj802 additional records for this site. Please contact your EDR Account Executive for more information.

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Detail Two:

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Shipment Date:	6/1/2020
Receipt Date:	6/10/2020
Manifest Number:	014742729FLE
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	PORTOLA AVE
Address 2:	Not Reported
City:	LIVERMORE
Zip:	94551
Telephone:	888-785-7225
Contact:	DINA C SCHILLER
Contact Telephone:	510-572-3840
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NMD002208627
TSDF Name:	ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1:	EDITH BLVD NE
TSDF Address 2:	Not Reported
TSDF City:	ALBUQUERQUE
TSDF Zip:	87107
TSDF Telephone:	Not Reported

Federal:

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.14800
Quantity Waste:	296.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	1

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Method Code:	H141
Quantity Tons:	0.14800
Quantity Waste:	296.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.03150
Quantity Waste:	63.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.14800
Quantity Waste:	296.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.03150

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Quantity Waste:	63.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.01800
Quantity Waste:	36.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.02400
Quantity Waste:	48.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Year:	2020
EM Manifest ID:	80239981-fe44-422e-a970-8f078f807e19
Generator EPA ID:	CAR000215442
Shipment Date:	2020-06-01
Manifest Number:	014742729FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2020
EM Manifest ID:	f7b9306c-e63b-4cd6-9c79-336466f51033
Shipment Date:	10/28/2020
Receipt Date:	11/6/2020
Manifest Number:	015425798FLE
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	PORTOLA AVE
Address 2:	Not Reported
City:	LIVERMORE
Zip:	94551
Telephone:	888-785-7225
Contact:	DINA C SCHILLER
Contact Telephone:	510-572-3840
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NMD002208627
TSDF Name:	ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1:	EDITH BLVD NE
TSDF Address 2:	Not Reported
TSDF City:	ALBUQUERQUE
TSDF Zip:	87107
TSDF Telephone:	Not Reported

State:

Year:	2020
EM Manifest ID:	f7b9306c-e63b-4cd6-9c79-336466f51033
Generator EPA ID:	CAR000215442
Shipment Date:	2020-10-28
Manifest Number:	015425798FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Detail Two:

Year:	2019
EM Manifest ID:	746560
Shipment Date:	9/30/2019
Receipt Date:	10/11/2019
Manifest Number:	013779090FLE
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	1 PORTOLA AVE
Address 2:	Not Reported
City:	LIVERMORE
Zip:	94551
Telephone:	888-785-7225
Contact:	Not Reported
Contact Telephone:	510-572-3840
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAR000154740
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NMD002208627
TSDF Name:	ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1:	6133 EDITH BLVD NE
TSDF Address 2:	Not Reported
TSDF City:	ALBUQUERQUE
TSDF Zip:	87107
TSDF Telephone:	Not Reported

Federal:

Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30
Manifest Number:	013779090FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02050
Quantity Waste:	41.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30
Manifest Number:	013779090FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30
Manifest Number:	013779090FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02050
Quantity Waste:	41.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30
Manifest Number:	013779090FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Manifest Number:	013779090FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30
Manifest Number:	013779090FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343
Year:	2019
EM Manifest ID:	746560
Generator EPA ID:	CAR000215442
Shipment Date:	2019-09-30
Manifest Number:	013779090FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2019
EM Manifest ID:	361329
Shipment Date:	7/24/2018
Receipt Date:	8/7/2018
Manifest Number:	000220890DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	1 PORTOLA AVE
Address 2:	Not Reported
City:	LIVERMORE

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Zip:	94551
Telephone:	877-577-2669
Contact:	Not Reported
Contact Telephone:	510-572-3840
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGMENT OF NEVADA, LLC.
TSDF Address 1:	2095 NEWLANDS DRIVE EAST
TSDF Address 2:	Not Reported
TSDF City:	FERNLEY
TSDF Zip:	89408
TSDF Telephone:	Not Reported

State:

Year:	2019
EM Manifest ID:	361329
Generator EPA ID:	CAR000215442
Shipment Date:	2018-07-24
Manifest Number:	000220890DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	513

Year:	2019
EM Manifest ID:	750505
Shipment Date:	7/22/2019
Receipt Date:	8/9/2019
Manifest Number:	013812337FLE
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	1 PORTOLA AVE
Address 2:	Not Reported
City:	LIVERMORE
Zip:	94551
Telephone:	888-785-7225
Contact:	Not Reported
Contact Telephone:	510-572-3840
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	CAR000154740
Transporter 2 Emergency Number:	Not Reported

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

TSDF EPA ID:	NMD002208627
TSDF Name:	ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1:	6133 EDITH BLVD NE
TSDF Address 2:	Not Reported
TSDF City:	ALBUQUERQUE
TSDF Zip:	87107
TSDF Telephone:	Not Reported

Federal:

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01400
Quantity Waste:	28.000000
Quantity Unit:	P

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2019
EM Manifest ID:	750505

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343
Year:	2019
EM Manifest ID:	750505
Generator EPA ID:	CAR000215442
Shipment Date:	2019-07-22
Manifest Number:	013812337FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2019
EM Manifest ID:	413292
Shipment Date:	1/8/2019
Receipt Date:	2/7/2019
Manifest Number:	000231476DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	1 PORTOLA AVE
Address 2:	Not Reported
City:	LIVERMORE
Zip:	94551
Telephone:	877-577-2669
Contact:	Not Reported
Contact Telephone:	510-572-5218
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGMENT OF NEVADA, LLC.
TSDF Address 1:	2095 NEWLANDS DRIVE EAST
TSDF Address 2:	Not Reported

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

TSDF City:	FERNLEY
TSDF Zip:	89408
TSDF Telephone:	Not Reported

State:

Year:	2019
EM Manifest ID:	413292
Generator EPA ID:	CAR000215442
Shipment Date:	2019-01-08
Manifest Number:	000231476DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	413292
Generator EPA ID:	CAR000215442
Shipment Date:	2019-01-08
Manifest Number:	000231476DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00000
Quantity Waste:	0.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	513

Year:	2019
EM Manifest ID:	413292
Generator EPA ID:	CAR000215442
Shipment Date:	2019-01-08
Manifest Number:	000231476DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Detail Two:

Year:	2018
EM Manifest ID:	000190558DAT20170822_D_1
Shipment Date:	8/22/2017
Receipt Date:	8/30/2017
Manifest Number:	000190558DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

State:

Year:	2018
EM Manifest ID:	000190558DAT20170822_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-08-22
Manifest Number:	000190558DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Shipment Date:	7/26/2017
Receipt Date:	8/14/2017
Manifest Number:	011003239FLE
Generator EPA ID:	CAR000215442

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Name:	LAM RESEARCH COMPANY
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	ALR000007237
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NMD002208627
TSDF Name:	ADVANCED CHEMICAL TREATMENT
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.07050
Quantity Waste:	141.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.07050
Quantity Waste:	141.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035

State:

Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Manifest Number:	011003239FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	212
Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	011003239FLE20170726_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-07-26
Manifest Number:	011003239FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.07050
Quantity Waste:	141.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Shipment Date:	6/26/2018
Receipt Date:	7/23/2018
Manifest Number:	000220539DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009

Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03900
Quantity Waste:	78.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	000220539DAT20180626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-06-26
Manifest Number:	000220539DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Shipment Date:	6/26/2017
Receipt Date:	7/10/2017
Manifest Number:	010891483FLE
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH COMPANY
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	UTD981552177
TSDF Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.06300
Quantity Waste:	126.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.06300
Quantity Waste:	126.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	5
Method Code:	H040

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D003

State:

Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.06300
Quantity Waste:	126.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.02800
Quantity Waste:	56.000000
Quantity Unit:	P
Number of Containers:	1

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	4
Method Code:	H040
Quantity Tons:	0.04250
Quantity Waste:	85.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	010891483FLE20170626_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-26
Manifest Number:	010891483FLE
Line Number:	5
Method Code:	H040
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	010888844FLE20170619_D_1
Shipment Date:	6/19/2017
Receipt Date:	7/17/2017
Manifest Number:	010888844FLE
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH COMPANY
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	CAR000070540
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	MAD039322250

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	TXD982290140
TSDF Name:	CLEAN HARBORS LA PORTE LP
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	010888844FLE20170619_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-06-19
Manifest Number:	010888844FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000171339DAT20170509_D_1
Shipment Date:	5/9/2017
Receipt Date:	5/17/2017
Manifest Number:	000171339DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Federal:

Year:	2018
EM Manifest ID:	000171339DAT20170509_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-05-09
Manifest Number:	000171339DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	000171339DAT20170509_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-05-09
Manifest Number:	000171339DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00340
Quantity Waste:	1.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	000171339DAT20170509_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2017-05-09
Manifest Number:	000171339DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Shipment Date:	5/29/2018
Receipt Date:	6/27/2018
Manifest Number:	000221680DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00850

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	000221680DAT20180529_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-29
Manifest Number:	000221680DAT
Line Number:	4
Method Code:	H121
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Shipment Date:	5/1/2018
Receipt Date:	5/23/2018
Manifest Number:	000205866DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

State:

Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-01
Manifest Number:	000205866DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-01
Manifest Number:	000205866DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00200

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	513
Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-01
Manifest Number:	000205866DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	000205866DAT20180501_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-05-01
Manifest Number:	000205866DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	000205564DAT20180403_D_1
Shipment Date:	4/3/2018
Receipt Date:	4/18/2018
Manifest Number:	000205564DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	000205564DAT20180403_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-04-03
Manifest Number:	000205564DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	000205564DAT20180403_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-04-03
Manifest Number:	000205564DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135

Year:	2018
EM Manifest ID:	000205564DAT20180403_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-04-03
Manifest Number:	000205564DAT
Line Number:	2

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Method Code:	H070
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	NULL
Quantity Type:	NULL
State Code:	141

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Shipment Date:	3/6/2018
Receipt Date:	3/16/2018
Manifest Number:	000206742DAT
Generator EPA ID:	CAR000215442
Name:	LAM RESEARCH CORPORATION
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06
Manifest Number:	000206742DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06
Manifest Number:	000206742DAT
Line Number:	3
Method Code:	H121
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06
Manifest Number:	000206742DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06
Manifest Number:	000206742DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135

Year:	2018
EM Manifest ID:	000206742DAT20180306_D_1
Generator EPA ID:	CAR000215442
Shipment Date:	2018-03-06

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Manifest Number:	000206742DAT
Line Number:	3
Method Code:	H121
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Additional Info:

Year:	2017
Gen EPA ID:	CAR000215442
Shipment Date:	20171212
Creation Date:	10/10/2018 18:30:23
Receipt Date:	20171226
Manifest ID:	000191358DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA 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:	- Not reported
Quantity Tons:	0.0025
Waste Quantity:	5
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:	20171212
Creation Date:	10/10/2018 18:30:23
Receipt Date:	20171226
Manifest ID:	000191358DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not Reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0034
Waste Quantity:	1
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:	20171206
Creation Date:	10/29/2018 18:30:22
Receipt Date:	20180103
Manifest ID:	011588814FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	TXD982290140
Trans Name:	CLEAN HARBORS LA PORTE LP
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	- Not reported
RCRA Code:	Not Reported
Meth Code:	H129 - Other Treatment
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
Shipment Date:	20170822
Creation Date:	7/30/2018 18:30:10
Receipt Date:	20170830
Manifest ID:	000190558DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
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:	20170811
Creation Date:	7/6/2018 18:30:59
Receipt Date:	20170901
Manifest ID:	010996704FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	76
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:	7/25/2018 18:30:29
Receipt Date:	20170814
Manifest ID:	011003239FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

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:	20170726
Creation Date:	7/25/2018 18:30:29
Receipt Date:	20170814
Manifest ID:	011003239FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0705
Waste Quantity:	141
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:	20170726
Creation Date:	7/25/2018 18:30:29
Receipt Date:	20170814
Manifest ID:	011003239FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20170626
Creation Date:	9/27/2018 18:30:17
Receipt Date:	20170710
Manifest ID:	010891483FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
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:	D035
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.063
Waste Quantity:	126
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:	20170626
Creation Date:	9/27/2018 18:30:17
Receipt Date:	20170710
Manifest ID:	010891483FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
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:	0.0055
Waste Quantity:	11
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Additional Info:

Year:	2016
Gen EPA ID:	CAR000215442
Shipment Date:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
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:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
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
Shipment Date:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Shipment Date:	20150206
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150219
Manifest ID:	008245880FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
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:	20150206
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150219
Manifest ID:	008245880FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

Additional Info:

Year:	2015

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Gen EPA ID:	CAR000215442
Shipment Date:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
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:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
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:	20151214

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
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

Shipment Date:	20151214
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151229
Manifest ID:	008958287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	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:	20150206
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150219
Manifest ID:	008245880FLE

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
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:	20150206
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150219
Manifest ID:	008245880FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

Additional Info:

Year:	2014
Gen EPA ID:	CAR000215442
Shipment Date:	20140826
Creation Date:	11/1/2014 22:15:05

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Receipt Date:	20140908
Manifest ID:	007906218FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
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:	20140826
Creation Date:	11/1/2014 22:15:05
Receipt Date:	20140908
Manifest ID:	007906218FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
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:	20140110
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140123
Manifest ID:	007141688FLE
Trans EPA ID:	MNS000110924

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
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:	20140110
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140123
Manifest ID:	007141688FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

Additional Info:

Year:	2013
Gen EPA ID:	CAR000215442
Shipment Date:	20130118
Creation Date:	7/6/2013 22:15:05
Receipt Date:	20130201

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Manifest ID:	006019859FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
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:	20130118
Creation Date:	7/6/2013 22:15:05
Receipt Date:	20130201
Manifest ID:	006019859FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
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:	2012
Gen EPA ID:	CAR000215442
Shipment Date:	20120514

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Creation Date:	8/16/2012 22:15:19
Receipt Date:	20120521
Manifest ID:	005167451FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
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:	20120514
Creation Date:	8/16/2012 22:15:19
Receipt Date:	20120521
Manifest ID:	005167451FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	0.002
Waste Quantity:	4
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:	20120514
Creation Date:	8/16/2012 22:15:19
Receipt Date:	20120521
Manifest ID:	005167451FLE

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
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:	20120514
Creation Date:	8/16/2012 22:15:19
Receipt Date:	20120521
Manifest ID:	005167451FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
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

NPDES: Other Ascertainable Records

Name:	LAM RESEARCH CORPORATION LIVERMORE CAMPUS
Address:	1 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94550
Facility Status:	Active
NPDES Number:	CAS000001

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Region:	2
Agency Number:	0
Regulatory Measure ID:	457265
Place ID:	Not Reported
Order Number:	97-03-DWQ
WDID:	2 01NEC000832
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	09/30/2015
Termination Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Discharge Address:	4650 Cushing Parkway
Discharge Name:	Lam Research Corp
Discharge City:	Fremont
Discharge State:	California
Discharge Zip:	94538
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:	Not Reported
Status:	Not Reported
Agency Number:	Not Reported
Region:	2
Regulatory Measure ID:	457265
Order Number:	Not Reported
Regulatory Measure Type:	Industrial
Place ID:	Not Reported
WDID:	2 01NEC000832
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

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Received Date:	09/21/2015
Processed Date:	09/30/2015
Status:	Active
Status Date:	09/30/2015
Place Size:	7
Place Size Unit:	Acres
Contact:	Jacque Fernstrom
Contact Title:	Site EHS Engineer
Contact Phone:	510-572-6686
Contact Phone Ext:	Not Reported
Contact Email:	jacque.fernstrom@lamresearch.com
Operator Name:	Lam Research Corp
Operator Address:	4650 Cushing Parkway
Operator City:	Fremont
Operator State:	California
Operator Zip:	94538
Operator Contact:	Dina Schiller
Operator Contact Title:	Sr. EHS Manager
Operator Contact Phone:	510-572-3840
Operator Contact Phone Ext:	Not Reported
Operator Contact Email:	dina.schiller@lamresearch.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:	510-572-5555
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:	N
Receiving Water Name:	Arroyo Las Positas Creek

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Certifier:	Tom Cooper
Certifier Title:	Senior EHS Manager
Certification Date:	04-OCT-16
Primary Sic:	3559-Special Industry Machinery, NEC
Secondary Sic:	Not Reported
Tertiary Sic:	Not Reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	457265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not Reported
WDID:	2 01NEC000832
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	09/30/2015
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Discharge Name:	Lam Research Corp
Discharge Address:	4650 Cushing Parkway
Discharge City:	Fremont
Discharge State:	California
Discharge Zip:	94538
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

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

Name:	LAM RESEARCH CORPORATION LIVERMORE CAMPUS
Address:	1 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94550
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 01NEC000832
Regulatory Measure Type:	Industrial
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

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:	09/30/2015
Operator Name:	Lam Research Corp
Operator Address:	4650 Cushing Parkway
Operator City:	Fremont
Operator State:	California
Operator Zip:	94538

NPDES as of 03/2018:

NPDES Number:	Not Reported
Status:	Not Reported
Agency Number:	Not Reported
Region:	2
Regulatory Measure ID:	457265
Order Number:	Not Reported
Regulatory Measure Type:	Industrial
Place ID:	Not Reported
WDID:	2 01NEC000832
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:	09/21/2015
Processed Date:	09/30/2015
Status:	Active
Status Date:	09/30/2015
Place Size:	7
Place Size Unit:	Acres
Contact:	Jacque Fernstrom
Contact Title:	Site EHS Engineer
Contact Phone:	510-572-6686

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Contact Phone Ext:	Not Reported
Contact Email:	jacque.fernstrom@lamresearch.com
Operator Name:	Lam Research Corp
Operator Address:	4650 Cushing Parkway
Operator City:	Fremont
Operator State:	California
Operator Zip:	94538
Operator Contact:	Dina Schiller
Operator Contact Title:	Sr. EHS Manager
Operator Contact Phone:	510-572-3840
Operator Contact Phone Ext:	Not Reported
Operator Contact Email:	dina.schiller@lamresearch.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:	510-572-5555
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:	N
Receiving Water Name:	Arroyo Las Positas Creek
Certifier:	Tom Cooper
Certifier Title:	Senior EHS Manager
Certification Date:	04-OCT-16
Primary Sic:	3559-Special Industry Machinery, NEC
Secondary Sic:	Not Reported
Tertiary Sic:	Not Reported
NPDES Number:	CAS000001
Status:	Active

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Agency Number:	0
Region:	2
Regulatory Measure ID:	457265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not Reported
WDID:	2 01NEC000832
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	09/30/2015
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Discharge Name:	Lam Research Corp
Discharge Address:	4650 Cushing Parkway
Discharge City:	Fremont
Discharge State:	California
Discharge Zip:	94538
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

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

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

CIWQS: Other Ascertainable Records

Name:	LAM RESEARCH CORPORATION LIVERMORE CAMPUS
Address:	1 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94550
Agency:	Lam Research Corp
Agency Address:	4650 Cushing Parkway M/S CA7/101, Fremont, CA 94538
Place/Project Type:	Industrial - Special Industry Machinery, NEC
SIC/NAICS:	3559
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 01NEC000832
NPDES Number:	CAS000001
Adoption Date:	Not Reported
Effective Date:	09/30/2015
Termination Date:	Not Reported
Expiration/Review Date:	Not Reported
Design Flow:	Not Reported
Major/Minor:	Not Reported
Complexity:	Not Reported

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

TTWQ:	Not Reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	37.704511
Longitude:	-121.805099

CERS: Other Ascertainable Records

Name:	LAM RESEARCH CORPORATION
Address:	1 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	476806
CERS ID:	110043233391
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Dina Schiller
Entity Title:	Not Reported
Affiliation Address:	4650 CUSHING PARKWAYNA M/S CA7-101
Affiliation City:	FREMONT
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	LAM RESEARCH
Entity Title:	OPERATOR
Affiliation Address:	4650 CUSHING PARKWAY
Affiliation City:	FREMONT
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	SCOTT THOMAS
Entity Title:	DIRECTOR - GLOBAL REAL ESTATE AND FACILI
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	EUMY HUNG
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	4650 CUSHING PARKWAY
Affiliation City:	FREMONT
Affiliation State:	CA

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Owner
Entity Name:	LAM RESEARCH
Entity Title:	OWNER
Affiliation Address:	4650 CUSHING PARKWAY
Affiliation City:	FREMONT
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Name:	LAM RESEARCH CORPORATION LIVERMORE CAMPUS
Address:	1 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA 94550
Site ID:	535369
CERS ID:	836841
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Lam Research Corp
Entity Title:	Operator
Affiliation Address:	4650 Cushing ParkwayM/S CA7/101
Affiliation City:	Fremont
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94538
Affiliation Phone:	,

HWTS: Other Ascertainable Records

Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Address:	1 PORTOLA AVE
Address 2:	Not Reported
City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000215442
Inactive Date:	Not Reported
Create Date:	12/28/2010
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	4650 CUSHING PKWY
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	FREMONT, CA 945386401
Owner Name:	LAM RESEARCH CORP.
Owner Address:	4650 CUSHING PKWY
Owner Address 2:	Not Reported
Owner City,State,Zip:	FREMONT, CA 945386401

MAP FINDINGS

LAM RESEARCH CORPORATION - LIVERMORE CAMPUS, 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Contact Name:	KEVIN LLOYD
Contact Address:	4650 CUSHING PARKWAY
Contact Address 2:	Not Reported
City,State,Zip:	FREMONT, CA 94538
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	37.704708
Longitude:	-121.8050415

NAICS:

EPA ID:	CAR000215442
Create Date:	2011-10-26 15:19:37.000
NAICS Code:	333319
NAICS Description:	Other Commercial and Service Industry Machinery Manufacturing
Issued EPA ID Date:	2010-12-28 08:38:14.99300
Inactive Date:	Not Reported
Facility Name:	LAM RESEARCH CORPORATION - LIVERMORE CAMPUS
Facility Address:	1 PORTOLA AVE
Facility Address 2:	Not Reported
Facility City:	LIVERMORE
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	945510000

LAM RESEARCH CORPORATION (CA31) 1 PORTOLA AVE, LIVERMORE, CA, 94551		S121784171	
▲ C6	NNE <1/10	(423 ft. / 0.08 mi.)	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records
	8 ft. Higher Elevation	428 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	LAM RESEARCH CORPORATION (CA31)
Address:	1 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	43311
CERS ID:	10408270
CERS Description:	Hazardous Waste Generator

CERS: Other Ascertainable Records

Name:	LAM RESEARCH CORPORATION (CA31)
Address:	1 PORTOLA AVE
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	43311
CERS ID:	10408270

LAM RESEARCH CORPORATION (CA31), 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

CERS Description: Chemical Storage Facilities

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not Reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-10-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not Reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-25-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not Reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not Reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not Reported
Eval Division: Livermore-Pleasanton FD
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2015
Violations Found: No
Eval Type: Routine done by local agency

MAP FINDINGS

LAM RESEARCH CORPORATION (CA31), 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-26-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-26-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	11-10-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	01-30-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-10-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2015
Violations Found:	No

MAP FINDINGS

LAM RESEARCH CORPORATION (CA31), 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	11-25-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	43311
Facility Name:	Lam Research Corporation (CA31)
Env Int Type Code:	HWG
Program ID:	10408270
Coord Name:	Not Reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	37.704710
Longitude:	-121.805050

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	4650 Cushing Parkway, M/S CA6-101
Affiliation City:	Fremont
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94538
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Lam Research Corporation
Entity Title:	Not Reported
Affiliation Address:	4650 Cushing Parkway
Affiliation City:	Fremont
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94538
Affiliation Phone:	(510) 572-0200,
Affiliation Type Desc:	Property Owner
Entity Name:	MUFG Americas Capital Leasing and Finance, Inc.
Entity Title:	Not Reported
Affiliation Address:	445 S. Figueroa St. G14-200

MAP FINDINGS

LAM RESEARCH CORPORATION (CA31), 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90071
Affiliation Phone:	(213) 236-6444,
Affiliation Type Desc:	Document Preparer
Entity Name:	Eumy Hung
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:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not Reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,
Affiliation Type Desc:	Identification Signer
Entity Name:	Jacque Fernstrom
Entity Title:	EHS Manager
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Lam Research 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:	(510) 572-0200,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jacque Fernstrom
Entity Title:	Not Reported
Affiliation Address:	1 Portola Avenue
Affiliation City:	Livermore
Affiliation State:	CA

LAM RESEARCH CORPORATION (CA31), 1 PORTOLA AVE, LIVERMORE, CA 94551 (Continued)

Affiliation Country:	Not Reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Lam Research
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:	,

LAM RESEARCH CORPORATION 1 PORTOLA AVENUE, LIVERMORE, CA,			S120761776
▲ C7	NNE <1/10	(423 ft. / 0.08 mi.)	Other Ascertainable Records
	8 ft. Higher Elevation	428 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

CUPA LIVERMORE-PLEASANTON: Other Ascertainable Records

CERS ID:	10408270
Name:	LAM RESEARCH CORPORATION
Address:	1 PORTOLA AVENUE
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/Hazardous Waste Generator/

AT&T CALIFORNIA - PE321 198 N CANYONS PKWY, LIVERMORE, CA, 94551			S127392495
▲ B8	N <1/10	(427 ft. / 0.081 mi.)	Other Ascertainable Records
	14 ft. Higher Elevation	434 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

CUPA LIVERMORE-PLEASANTON: Other Ascertainable Records

CERS ID:	10863655
Name:	AT&T CALIFORNIA - PE321
Address:	198 NORTH CANYONS PARKWAY
City,State,Zip:	LIVERMORE, CA
Status:	Active
Permit List:	Hazardous Materials Business Plan/

AT&T CALIFORNIA - PE321, 198 N CANYONS PKWY, LIVERMORE, CA 94551 (Continued)

CERS: Other Ascertainable Records

Name:	AT&T CALIFORNIA - PE321
Address:	198 N CANYONS PKWY
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	571818
CERS ID:	10863655
CERS Description:	Chemical Storage Facilities

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	AT&T EH&S Hotline - Option #1
Entity Title:	Not Reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not Reported
Affiliation Zip:	75202
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Pacific Bell Telephone Company dba AT&T California
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:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not Reported
Affiliation Zip:	75202
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Bell Telephone Company dba AT&T California

MAP FINDINGS

AT&T CALIFORNIA - PE321, 198 N CANYONS PKWY, LIVERMORE, CA 94551 (Continued)

Entity Title:	Not Reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712,
Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not Reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, 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:	,
Affiliation Type Desc:	Operator
Entity Name:	AT&T California
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:	(800) 566-9347,

EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, IN 2441 CONSTITUTION DRIVE, LIVERMORE, CA, 94551		1014387138
▲ D9	W <1/10 (431 ft. / 0.082 mi.)	Lists of Federal RCRA generators
	1 ft. Higher Elevation 421 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency:	20180730
Handler Name:	EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, INC.

MAP FINDINGS

EU (Continued)

Handler Address:	2441 CONSTITUTION DRIVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAR000205922
Contact Name:	JULIE HILL
Contact Address:	CONSTITUTION DRIVE
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	608-395-3770
Contact Fax:	925-371-8085
Contact Email:	LORI.NICHOLSON@COVANCE.COM
Contact Title:	VP CHEMISTRY
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:	CONSTITUTION DRIVE
Mailing City,State,Zip:	LIVERMORE, CA 94551
Owner Name:	COVANCE LABORATORIES, LLC
Owner Type:	Private
Operator Name:	EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, 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:	NN
Sub-Part K Indicator:	Not Reported
Commercial TSD Indicator:	No

MAP FINDINGS

EU (Continued)

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:	20180731
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

Biennial: List of Years

Year:	2015
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAR000205922&rep_year=2015
Year:	2011
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAR000205922&rep_year=2011

Hazardous Waste Summary:

EU (Continued)

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
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:	F005
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	U154
Waste Description:	METHANOL (I) (OR) METHYL ALCOHOL (I)
Waste Code:	U236
Waste Description:	2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE NATIONAL FOOD LABORATORY, LLC
Legal Status:	Private

MAP FINDINGS

EU (Continued)

Date Became Current:	20080621
Date Ended Current:	Not Reported
Owner/Operator Address:	1300 INDUSTRIAL ROAD SUITE 2
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94551
Owner/Operator Telephone:	650-596-8950
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE NATIONAL FOOD LABORATORY INC
Legal Status:	Private
Date Became Current:	20080621
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:	LYELL FORK, LLC
Legal Status:	Private
Date Became Current:	20080501
Date Ended Current:	Not Reported
Owner/Operator Address:	1300 INDUSTRIAL ROAD SUITE 2
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-596-8950
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LYELL FORK LLC
Legal Status:	Private
Date Became Current:	20080501
Date Ended Current:	Not Reported
Owner/Operator Address:	1300 INDUSTRIAL RD
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-596-8950
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, INC.
Legal Status:	Private
Date Became Current:	20180801
Date Ended Current:	Not Reported
Owner/Operator Address:	2441 CONSTITUTION DRIVE
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551

MAP FINDINGS

EU (Continued)

Owner/Operator Telephone:	608-395-3770
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	LORI.NICHOLSON@COVANCE.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE NATIONAL FOOD LABORATORY LLC
Legal Status:	Private
Date Became Current:	20080621
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:	COVANCE LABORATORIES, LLC
Legal Status:	Private
Date Became Current:	20151018
Date Ended Current:	Not Reported
Owner/Operator Address:	210 CARNEGIE CENTER
Owner/Operator City,State,Zip:	PRINCETON, NJ 08540
Owner/Operator Telephone:	609-452-4440
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LYELL FORK LLC
Legal Status:	Private
Date Became Current:	20080501
Date Ended Current:	Not Reported
Owner/Operator Address:	1300 INDUSTRIAL RD
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-596-8950
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	COVANCE LABORATORIES, LLC
Legal Status:	Private
Date Became Current:	20151018
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

EU (Continued)

Owner/Operator Indicator:	Owner
Owner/Operator Name:	COVANCE LABORATORIES, LLC
Legal Status:	Private
Date Became Current:	20151018
Date Ended Current:	Not Reported
Owner/Operator Address:	210 CARNEGIE CENTER
Owner/Operator City,State,Zip:	PRINCETON, NJ 08540
Owner/Operator Telephone:	609-452-4440
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	20120315
Handler Name:	THE NATIONAL FOOD LABORATORY, 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
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:	20160625
Handler Name:	NATIONAL FOOD LABORATORY, 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
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:	20100302
Handler Name:	THE NATIONAL FOOD LABORATORY 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

MAP FINDINGS

EU (Continued)

Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	20150514
Handler Name:	THE NATIONAL FOOD LABORATORY 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
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:	20180730
Handler Name:	EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US, 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:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	54138
NAICS Description:	TESTING LABORATORIES AND SERVICES
NAICS Code:	54171
NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

OLYMPIAN GULF PROPERTIES
2441 CONSTITUTION DRIVE, LIVERMORE, CA, 94551 1026798205

MAP FINDINGS

▲ D10	W <1/10	(431 ft. / 0.082 mi.)	Other Ascertainable Records
	1 ft. Higher Elevation	421 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

RCRA Listings: Other Ascertainable Records

Date Form Received by Agency:	20210312
Handler Name:	OLYMPIAN GULF PROPERTIES
Handler Address:	2441 CONSTITUTION DRIVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAC003109970
Contact Name:	BONNIE BERTETTA
Contact Address:	1300 INDUSTRIAL ROAD UNIT #2
Contact City,State,Zip:	SAN CARLOS, CA 94070
Contact Telephone:	650-245-6403
Contact Fax:	Not Reported
Contact Email:	JPARWIZ@ALLCLEANHAZ.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
State District:	Not Reported
Mailing Address:	1300 INDUSTRIAL ROAD UNIT #2
Mailing City,State,Zip:	SAN CARLOS, CA 94070
Owner Name:	BONNIE BERTETTA
Owner Type:	Other
Operator Name:	BONNIE BERTETTA
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

MAP FINDINGS

OLYMPIAN GULF PROPERTIES, 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

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:	20210322
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

MAP FINDINGS

OLYMPIAN GULF PROPERTIES, 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BONNIE BERTETTA
Legal Status:	Other
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	1300 INDUSTRIAL ROAD UNIT #2
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-245-6403
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BONNIE BERTETTA
Legal Status:	Other
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	1300 INDUSTRIAL ROAD UNIT #2
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-245-6403
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	20210312
Handler Name:	OLYMPIAN GULF PROPERTIES
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:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	531110
NAICS Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

MAP FINDINGS

OLYMPIAN GULF PROPERTIES, 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

Evaluations: No Evaluations Found

OLYMPIAN GULF PROPERTIES 2441 CONSTITUTION DRIVE, LIVERMORE, CA, 94551			1026809885
▲ D11	W <1/10	(431 ft. / 0.082 mi.)	Other Ascertainable Records
	1 ft. Higher Elevation	421 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

RCRA Listings: Other Ascertainable Records

Date Form Received by Agency:	20210601
Handler Name:	OLYMPIAN GULF PROPERTIES
Handler Address:	2441 CONSTITUTION DRIVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAC003122280
Contact Name:	ALLAN ODELL
Contact Address:	2441 CONSTITUTION DRIVE
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	925-209-1166
Contact Fax:	Not Reported
Contact Email:	ALLAN@BLUELINECOMPANY.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
State District:	Not Reported
Mailing Address:	1300 INDUSTRIAL ROAD UNIT #2
Mailing City,State,Zip:	SAN CARLOS, CA 94070
Owner Name:	OLYMPIAN GULF PROPERTIES
Owner Type:	Other
Operator Name:	ALLAN ODELL
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

MAP FINDINGS

OLYMPIAN GULF PROPERTIES, 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

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:	20210601
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

OLYMPIAN GULF PROPERTIES, 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

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:	OLYMPIAN GULF PROPERTIES
Legal Status:	Other
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	1300 INDUSTRIAL ROAD UNIT #2
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-245-6403
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALLAN ODELL
Legal Status:	Other
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	2441 CONSTITUTION DRIVE
Owner/Operator City,State,Zip:	LIVERMORE, CA 94551
Owner/Operator Telephone:	925-209-1166
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	20210601
Handler Name:	OLYMPIAN GULF PROPERTIES
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:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	81222

MAP FINDINGS

OLYMPIAN GULF PROPERTIES, 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

NAICS Description: CEMETERIES AND CREMATORIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

THE NATIONAL FOOD LABORATORY, INC. 2441 CONSTITUTION DRIVE, LIVERMORE, CA, 94551			1014386980
▲ D12	W <1/10	(431 ft. / 0.082 mi.)	Lists of Federal RCRA generators
	1 ft. Higher Elevation	421 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency:	20100210
Handler Name:	THE NATIONAL FOOD LABORATORY, INC.
Handler Address:	2441 CONSTITUTION DRIVE
Handler City,State,Zip:	LIVERMORE, CA 94551
EPA ID:	CAL000333429
Contact Name:	JULIE HILL
Contact Address:	CONSTITUTION DRIVE
Contact City,State,Zip:	LIVERMORE, CA 94551
Contact Telephone:	925-551-4209
Contact Fax:	925-371-8085
Contact Email:	HILLJ@THENFL.COM
Contact Title:	VICE PRESIDENT CHEMISTRY
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not Reported
Biennial Report Cycle:	2009
Accessibility:	Not Reported
Active Site Indicator:	Handler Activities
State District Owner:	Not Reported
State District:	Not Reported
Mailing Address:	CONSTITUTION DRIVE
Mailing City,State,Zip:	LIVERMORE, CA 94551
Owner Name:	LYELL FORK, LLC
Owner Type:	Private
Operator Name:	THE NATIONAL FOOD LABORATORY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No

THE NATIONAL FOOD LABORATORY, INC., 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

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

THE NATIONAL FOOD LABORATORY, INC., 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

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:	20101006
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:	No

Biennial: List of Years

Year:	2009
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAL000333429&rep_year=2009

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
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:	F005

THE NATIONAL FOOD LABORATORY, INC., 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LYELL FORK, LLC
Legal Status:	Private
Date Became Current:	20080501
Date Ended Current:	Not Reported
Owner/Operator Address:	1300 INDUSTRIAL ROAD SUITE 2
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-596-8950
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE NATIONAL FOOD LABORATORY, INC.
Legal Status:	Private
Date Became Current:	20080621
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:	20100210
Handler Name:	THE NATIONAL FOOD LABORATORY, 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:	Yes
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Code:	541712
NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)

THE NATIONAL FOOD LABORATORY, INC., 2441 CONSTITUTION DRIVE, LIVERMORE, CA 94551 (Continued)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

TECH CENTER 2441 CONSTITUTION DR, LIVERMORE, CA, 94551			S121791538
▲ D13	W <1/10	(431 ft. / 0.082 mi.)	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records
	1 ft. Higher Elevation	421 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	TECH CENTER
Address:	2441 CONSTITUTION DR
City,State,Zip:	LIVERMORE, CA 94551
Site ID:	75187
CERS ID:	10405864
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-24-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-24-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	10-27-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported

MAP FINDINGS

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Eval Division:	Livermore-Pleasanton FD
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	75187
Facility Name:	Tech Center
Env Int Type Code:	HWG
Program ID:	10405864
Coord Name:	Not Reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	37.703000
Longitude:	-121.809300

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Mario Valenzuela
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:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	2441 Constitution Dr
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Eurofins Food Integrity & Innovation
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:	(925) 828-1440,
Affiliation Type Desc:	CUPA District
Entity Name:	Livermore-Pleasanton FD
Entity Title:	Not Reported
Affiliation Address:	3560 Nevada Street
Affiliation City:	Pleasanton

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94566
Affiliation Phone:	(925) 454-2361,
Affiliation Type Desc:	Environmental Contact
Entity Name:	MARIO VALENZUELA
Entity Title:	Not Reported
Affiliation Address:	2441 Constitution Dr
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94551
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Mario Valenzuela
Entity Title:	Quality and EHS Manager
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Eurofins Food Integrity & Innovation
Entity Title:	Not Reported
Affiliation Address:	2441 Constitution Dr
Affiliation City:	Livermore
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94551
Affiliation Phone:	(925) 828-1440,
Affiliation Type Desc:	Parent Corporation
Entity Name:	The National Food Laboratory, LLC
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:	,

HAZNET: Other Ascertainable Records

Name:	EUROFINS SENSORY CONSUMER RESEARCH AND PRODUCT DESIGN US INC
Address:	2441 CONSTITUTION DR
Address 2:	Not Reported
City,State,Zip:	LIVERMORE, CA 945510000
Contact:	MARIO VALENZUELA

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Telephone:	9255564842
Mailing Name:	Not Reported
Mailing Address:	2441 CONSTITUTION DR
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAD008302903
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:	0.0625
Year:	2020
Gepaid:	CAR000205922
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)
Tons:	0.476
Year:	2020
Gepaid:	CAR000205922
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:	0.104
Year:	2020
Gepaid:	CAR000205922
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:	0.0045
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAT080014079
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:	0.1525
Year:	2020
Gepaid:	CAR000205922
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:	0.3405
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAD008302903
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2275
Year:	2020

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Gepaid:	CAR000205922
TSD EPA ID:	CAT080014079
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:	1.0795
Year:	2020
Gepaid:	CAR000205922
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:	0.8645
Year:	2020
Gepaid:	CAR000205922
TSD EPA ID:	CAD008302903
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.005

The Click here to access 20 additional CA HAZNET: record(s) in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2T2mTv1.mA8mvv83.X1iAi2um.8mvl3Y3W2GXh13ip2lTj1Kmv7YvA2P.Y3mA93amY1vvt3H3l3CXX24Ts2kmB1Fv288.b3SAu1Aml9Wv58T3U2eXU1lin0qiS3Au6ti.a2eTZ2Im217vdTz.k21AQ3MmY2Uvq8u3xAAXI2mi66miT4Xuw9n.X1 additional records for this site. Please contact your EDR Account Executive for more information.

Detail Two:

Year:	2020
EM Manifest ID:	987169
Shipment Date:	1/28/2020
Receipt Date:	2/5/2020
Manifest Number:	001523677VES
Generator EPA ID:	CAR000205922
Name:	EUROFINS SENSORY CONSUMER RESE
Address:	2441 CONSTITUTION DRIVE
Address 2:	Not Reported
City:	LIVERMORE
Zip:	94551
Telephone:	877-818-0087
Contact:	Not Reported
Contact Telephone:	925-556-4842
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	W FIRST ST
TSDF Address 2:	Not Reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not Reported

MAP FINDINGS

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Federal:

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	1
Method Code:	H061
Quantity Tons:	0.31250
Quantity Waste:	625.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28

MAP FINDINGS

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Manifest Number:	001523677VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D003
Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	1
Method Code:	H061
Quantity Tons:	0.31250
Quantity Waste:	625.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791

MAP FINDINGS

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791

Year:	2020
EM Manifest ID:	987169
Generator EPA ID:	CAR000205922
Shipment Date:	2020-01-28
Manifest Number:	001523677VES
Line Number:	6

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2019
EM Manifest ID:	321023
Shipment Date:	4/11/2019
Receipt Date:	4/19/2019
Manifest Number:	001722838VES
Generator EPA ID:	CAR000205922
Name:	EUROFINS SENSORY CONSUMER RESE
Address:	2441 CONSTITUTION DRIVE
Address 2:	Not Reported
City:	LIVERMORE
Zip:	94551
Telephone:	877-818-0087
Contact:	Not Reported
Contact Telephone:	925-556-4842
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not Reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not Reported

Federal:

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	F003
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	2
Method Code:	H061
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	3
Method Code:	H061
Quantity Tons:	0.37500
Quantity Waste:	750.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11

MAP FINDINGS

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Manifest Number:	001722838VES
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	7
Method Code:	H141
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	8
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	8
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

State:

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	2
Method Code:	H061
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	3
Method Code:	H061
Quantity Tons:	0.37500
Quantity Waste:	750.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	4

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	7
Method Code:	H141
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	8
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	9
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2019
EM Manifest ID:	321023
Generator EPA ID:	CAR000205922
Shipment Date:	2019-04-11
Manifest Number:	001722838VES
Line Number:	10
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2018

MAP FINDINGS

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

EM Manifest ID:	000159995DAT20170214_D_1
Shipment Date:	2/14/2017
Receipt Date:	2/23/2017
Manifest Number:	000159995DAT
Generator EPA ID:	CAR000205922
Name:	THE NATIONAL FOOD LABORATORY LLC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02250
Quantity Waste:	45.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02250
Quantity Waste:	45.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02250
Quantity Waste:	45.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011

State:

Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT

MAP FINDINGS

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Line Number:	1
Method Code:	H141
Quantity Tons:	0.04170
Quantity Waste:	10.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	791
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000159995DAT20170214_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2017-02-14
Manifest Number:	000159995DAT
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02250
Quantity Waste:	45.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	190091
Shipment Date:	11/29/2018
Receipt Date:	12/5/2018
Manifest Number:	001519612VES
Generator EPA ID:	CAR000205922
Name:	EUROFINS SENSORY CONSUMER RESE
Address:	2441 CONSTITUTION DRIVE
Address 2:	Not Reported
City:	LIVERMORE
Zip:	94551
Telephone:	877-818-0087
Contact:	Not Reported
Contact Telephone:	925-556-4842
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	MOD095038998

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	107 SOUTH MOTOR AVENUE
TSDF Address 2:	Not Reported
TSDF City:	IRWINDALE
TSDF Zip:	91702
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	1
Method Code:	H061
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D003
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D003

Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	1
Method Code:	H061

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	5
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	6
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

State Code:	331
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	7
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	8
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2018
EM Manifest ID:	190091
Generator EPA ID:	CAR000205922
Shipment Date:	2018-11-29
Manifest Number:	001519612VES
Line Number:	9
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352
Year:	2018
EM Manifest ID:	000206143DAT20180108_D_1
Shipment Date:	1/8/2018
Receipt Date:	1/16/2018

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Manifest Number:	000206143DAT
Generator EPA ID:	CAR000205922
Name:	COVANCE LABORATORIES INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	000206143DAT20180108_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-08
Manifest Number:	000206143DAT
Line Number:	2
Method Code:	Not Reported
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	000206143DAT20180108_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-08
Manifest Number:	000206143DAT
Line Number:	2
Method Code:	Not Reported
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Shipment Date:	1/17/2018
Receipt Date:	1/31/2018
Manifest Number:	000190613DAT
Generator EPA ID:	CAR000205922
Name:	COVANCE LABORATORIES INC
Address:	Not Reported
Address 2:	Not Reported
City:	Not Reported
Zip:	Not Reported
Telephone:	Not Reported
Contact:	Not Reported
Contact Telephone:	Not Reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not Reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not Reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA
TSDF Address 1:	Not Reported
TSDF Address 2:	Not Reported
TSDF City:	Not Reported
TSDF Zip:	Not Reported
TSDF Telephone:	Not Reported

Federal:

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07100
Quantity Waste:	142.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922

MAP FINDINGS

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	9
Method Code:	H121
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	11
Method Code:	H121
Quantity Tons:	0.00250
Quantity Waste:	5.000000

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	11
Method Code:	H121
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	12
Method Code:	H141
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	14
Method Code:	H070
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	14
Method Code:	H070
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	15
Method Code:	H141

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	15
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Federal Code:	D002
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D008

State:

Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04300
Quantity Waste:	86.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	513
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07100
Quantity Waste:	142.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	3
Method Code:	H141
Quantity Tons:	0.09500
Quantity Waste:	190.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	4
Method Code:	H141
Quantity Tons:	0.05250
Quantity Waste:	105.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	6
Method Code:	H121
Quantity Tons:	0.00200
Quantity Waste:	4.000000

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	9
Method Code:	H121
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	12
Method Code:	H141
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	14
Method Code:	H070

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	15
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	000190613DAT20180117_D_1
Generator EPA ID:	CAR000205922
Shipment Date:	2018-01-17
Manifest Number:	000190613DAT
Line Number:	16
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Additional Info:

Year:	2017
Gen EPA ID:	CAR000205922
Shipment Date:	20170214
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170223
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.034
Waste Quantity:	10
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:	20170214
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170223
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
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:	20170214
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not Reported

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

TSDF Alt Name:	Not Reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D002
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20170214
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170223
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA 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:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
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:	20170214
Creation Date:	Not Reported
Receipt Date:	Not Reported
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA 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

TECH CENTER, 2441 CONSTITUTION DR, LIVERMORE, CA 94551 (Continued)

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
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:	20170214
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170223
Manifest ID:	000159995DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA 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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
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

KLA-TENCOR CORPORATION 37.70582/-121.80499, LIVERMORE, CA,			1027379173
▲ C14	NNE <1/10	(454 ft. / 0.086 mi.)	Other Ascertainable Records
	8 ft. Higher Elevation	428 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

PFAS ECHO: Other Ascertainable Records

Name:	KLA-TENCOR CORPORATION
Address:	37.70582/-121.80499
City,State,Zip:	LIVERMORE, CA
Latitude:	37.70582
Longitude:	-121.80499

KLA-TENCOR CORPORATION, 37.70582/-121.80499, LIVERMORE, CA (Continued)

Count:	-1
County:	ALAMEDA
Status:	Unknown
Region:	09
Industry:	Electronics Industry
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110038071519
Facility Percent Minority:	42.189
Facility Derived Tribes:	Not Reported
Facility Population:	1318.7
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.80499,%22y%22:37.70582,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	Not Reported
Federal Facility:	No
Federal Agency:	Not Reported
Facility FIPS Code:	06001
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18050004
Facility Derived WBD:	180500040203
Facility Derived CD113:	15
Facility Derived CB2010:	060014512021044
Facility Major Flag:	Not Reported
Facility Active Flag:	Not Reported
Facility Inspection Count:	0
Facility Date Last Inspection:	Not Reported
Facility Days Last Inspection:	Not Reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not Reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not Reported
Facility Total Penalties:	0
Facility Penalty Count:	Not Reported
Facility Date Last Penalty:	Not Reported
Facility Last Penalty AMT:	Not Reported
Facility QTRS With NC:	Not Reported
Facility Programs With SNC:	0
Facility Compliance Status:	Not Reported
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not Reported
CAA Permit Types:	Not Reported
CAA NAICS:	Not Reported
CAA SICS:	Not Reported
NPDES IDS:	Not Reported

MAP FINDINGS

KLA-TENCOR CORPORATION, 37.70582/-121.80499, LIVERMORE, CA (Continued)

CWA Permit Types:	Not Reported
CWA NAICS:	Not Reported
CWA SICS:	Not Reported
RCRA IDS:	Not Reported
RCRA Permit Types:	Not Reported
RCRA NAICS:	Not Reported
SDWA IDS:	Not Reported
SDWA System Types:	Not Reported
SDWA Compliance Status:	Not Reported
SDWA SNC Flag:	N
TRI IDS:	Not Reported
TRI Releases Transfers:	Not Reported
TRI On Site Releases:	Not Reported
TRI Off Site Transfers:	Not Reported
TRI Reporter:	Not Reported
Facility IMP Water Flag:	Not Reported

LAM RESEARCH CORPORATION 37.70582/-121.80499, LIVERMORE, CA,			1027380576
▲ C15	NNE <1/10	(454 ft. / 0.086 mi.)	Other Ascertainable Records
	8 ft. Higher Elevation	428 ft. Above Sea Level	

Worksheet:

Impact on Target Property: Undetermined

PFAS ECHO: Other Ascertainable Records

Name:	LAM RESEARCH CORPORATION
Address:	37.70582/-121.80499
City,State,Zip:	LIVERMORE, CA
Latitude:	37.70582
Longitude:	-121.80499
Count:	-1
County:	ALAMEDA
Status:	Active
Region:	09
Industry:	Metal Machinery Mfg
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110043233391
Facility Percent Minority:	42.189
Facility Derived Tribes:	Not Reported
Facility Population:	1318.7
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.80499,%22y%22:37.70582,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not Reported
Facility FIPS Code:	06001
Facility Indian Country Flag:	N

MAP FINDINGS

LAM RESEARCH CORPORATION, 37.70582/-121.80499, LIVERMORE, CA (Continued)

Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18050004
Facility Derived WBD:	180500040203
Facility Derived CD113:	15
Facility Derived CB2010:	060014512021044
Facility Major Flag:	Not Reported
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	Not Reported
Facility Days Last Inspection:	Not Reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not Reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not Reported
Facility Total Penalties:	0
Facility Penalty Count:	Not Reported
Facility Date Last Penalty:	Not Reported
Facility Last Penalty AMT:	Not Reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not Reported
CAA Permit Types:	Not Reported
CAA NAICS:	Not Reported
CAA SICS:	Not Reported
NPDES IDS:	Not Reported
CWA Permit Types:	Not Reported
CWA NAICS:	Not Reported
CWA SICS:	Not Reported
RCRA IDS:	CAR000215442
RCRA Permit Types:	SQG
RCRA NAICS:	333318
SDWA IDS:	Not Reported
SDWA System Types:	Not Reported
SDWA Compliance Status:	Not Reported
SDWA SNC Flag:	N
TRI IDS:	Not Reported
TRI Releases Transfers:	Not Reported
TRI On Site Releases:	Not Reported
TRI Off Site Transfers:	Not Reported
TRI Reporter:	Not Reported
Facility IMP Water Flag:	Not Reported

MAP FINDINGS

LAM RESEARCH CORPORATION, 37.70582/-121.80499, LIVERMORE, CA (Continued)

Name:	LAM RESEARCH CORPORATION
Address:	37.70582/-121.80499
City,State,Zip:	LIVERMORE, CA
Latitude:	37.70582
Longitude:	-121.80499
Count:	-1
County:	ALAMEDA
Status:	Active
Region:	09
Industry:	Electronics Industry
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110043233391
Facility Percent Minority:	42.189
Facility Derived Tribes:	Not Reported
Facility Population:	1318.7
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.80499,%22y%22:37.70582,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not Reported
Facility FIPS Code:	06001
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18050004
Facility Derived WBD:	180500040203
Facility Derived CD113:	15
Facility Derived CB2010:	060014512021044
Facility Major Flag:	Not Reported
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	Not Reported
Facility Days Last Inspection:	Not Reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not Reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not Reported
Facility Total Penalties:	0
Facility Penalty Count:	Not Reported
Facility Date Last Penalty:	Not Reported
Facility Last Penalty AMT:	Not Reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N

MAP FINDINGS

LAM RESEARCH CORPORATION, 37.70582/-121.80499, LIVERMORE, CA (Continued)

AIR IDS:	Not Reported
CAA Permit Types:	Not Reported
CAA NAICS:	Not Reported
CAA SICS:	Not Reported
NPDES IDS:	Not Reported
CWA Permit Types:	Not Reported
CWA NAICS:	Not Reported
CWA SICS:	Not Reported
RCRA IDS:	CAR000215442
RCRA Permit Types:	SQG
RCRA NAICS:	333318
SDWA IDS:	Not Reported
SDWA System Types:	Not Reported
SDWA Compliance Status:	Not Reported
SDWA SNC Flag:	N
TRI IDS:	Not Reported
TRI Releases Transfers:	Not Reported
TRI On Site Releases:	Not Reported
TRI Off Site Transfers:	Not Reported
TRI Reporter:	Not Reported
Facility IMP Water Flag:	Not Reported

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	10/27/2022	11/01/2022	11/15/2022
US	Proposed NPL	Proposed National Priority List Sites	EPA	10/27/2022	11/01/2022	11/15/2022
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	10/27/2022	11/01/2022	11/15/2022
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	11/21/2022	11/21/2022	12/05/2022
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	08/16/2022	08/22/2022	10/24/2022
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	08/15/2022	08/17/2022	10/24/2022
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	08/15/2022	08/17/2022	10/24/2022
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2022	12/14/2022	12/19/2022
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	07/25/2022	07/25/2022	10/05/2022
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	07/25/2022	07/25/2022	10/05/2022
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	08/08/2022	08/08/2022	10/20/2022
State and tribal leaking storage tank lists						
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2022	06/13/2022	08/16/2022
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2022	06/13/2022	08/16/2022
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	08/31/2022	08/31/2022	11/28/2022
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	08/24/2022	08/31/2022	11/21/2022
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2022	06/13/2022	08/16/2022
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/07/2022	06/13/2022	08/16/2022
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2022	06/13/2022	08/16/2022
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
State and tribal voluntary cleanup sites						
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	07/25/2022	07/25/2022	10/05/2022
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	09/19/2022	09/19/2022	12/07/2022
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2022	07/21/2022	09/30/2022
US	ROD	Records Of Decision	EPA	10/27/2022	11/01/2022	11/15/2022
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	10/27/2022	11/01/2022	11/15/2022
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	08/31/2022	08/31/2022	11/18/2022
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	08/04/2022	08/04/2022	10/20/2022
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	07/29/2022	08/18/2022	10/24/2022
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	10/27/2022	11/01/2022	11/15/2022
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/20/2022	06/21/2022	08/31/2022
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	Delisted NPL	National Priority List Deletions	EPA	10/27/2022	11/01/2022	11/15/2022
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	10/27/2022	11/01/2022	11/15/2022
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/19/2022	09/19/2022	09/30/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	07/29/2022	08/18/2022	10/24/2022
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/11/2022	08/11/2022	09/30/2022
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/03/2022	08/17/2022	08/31/2022
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	08/01/2022	08/02/2022	09/30/2022
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	10/27/2022	11/01/2022	11/15/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	07/18/2022	07/18/2022	07/29/2022
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	01/20/2022	01/20/2022	03/25/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/26/2022	11/22/2022	12/05/2022
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	08/03/2022	08/25/2022	10/24/2022
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2019	03/02/2022	03/25/2022
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/13/2022	09/14/2022	12/05/2022
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2019	01/20/2021	04/08/2021
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	06/30/2022	07/18/2022	09/30/2022
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	09/19/2022	09/19/2022	12/07/2022
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	12/07/2021	05/09/2022	05/17/2022
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	08/25/2022	08/25/2022	11/14/2022
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	08/18/2022	08/29/2022	11/14/2022
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	08/27/2021	09/01/2021	11/19/2021
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	05/25/2022	05/26/2022	08/11/2022
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2020	06/13/2022	08/30/2022
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	07/12/2022	07/18/2022	09/29/2022
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	07/06/2022	07/21/2022	10/03/2022
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	08/09/2022	08/10/2022	08/30/2022
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	08/12/2022	08/16/2022	08/26/2022
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2021	07/05/2022	09/19/2022
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	08/11/2022	08/11/2022	10/28/2022
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	10/03/2022	10/03/2022	12/15/2022
CA	ICE	ICE	Department of Toxic Subsances Control	08/11/2022	08/11/2022	10/28/2022
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	08/31/2022	08/31/2022	11/17/2022
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	08/23/2022	08/24/2022	11/14/2022
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
CA	MINES	Mines Site Location Listing	Department of Conservation	08/31/2022	08/31/2022	11/18/2022
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	08/08/2022	08/25/2022	11/14/2022
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	08/08/2022	08/08/2022	10/20/2022
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	08/25/2022	08/25/2022	11/14/2022
CA	PROC	Certified Processors Database	Department of Conservation	08/31/2022	08/31/2022	11/18/2022
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	09/07/2022	09/08/2022	11/29/2022
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	07/25/2022	07/25/2022	10/05/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	08/31/2022	08/31/2022	11/18/2022
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	08/22/2018	10/26/2022	11/08/2022
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	08/22/2018	03/31/2022	11/08/2022
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	08/31/2022	08/31/2022	11/18/2022
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	08/16/2022	08/17/2022	08/18/2022
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	02/23/2022	03/31/2022	11/08/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	08/25/2022	09/06/2022	12/05/2022
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	08/31/2022	08/31/2022	11/17/2022
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	02/23/2022	03/31/2022	11/08/2022
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	02/23/2022	07/08/2022	11/08/2022
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2020	01/11/2022	02/14/2022
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	04/05/2022	04/05/2022	04/26/2022
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	09/06/2022	09/06/2022	10/26/2022
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	08/31/2022	08/31/2022	10/31/2022
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/25/2022	07/01/2022	09/30/2022
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/11/2022	08/11/2022	09/30/2022
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	07/18/2022	07/18/2022	09/30/2022
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	07/18/2022	07/18/2022	09/30/2022
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	07/18/2022	07/18/2022	09/30/2022
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	08/31/2022	08/31/2022	11/17/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
HISTORICAL USE RECORDS						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	09/28/2022	09/29/2022	12/14/2022
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	07/22/2022	07/27/2022	08/01/2022
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	06/14/2022	06/15/2022	09/02/2022
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	04/06/2020	04/23/2020	07/10/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	07/20/2022	07/20/2022	10/03/2022
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	05/04/2022	05/06/2022	07/28/2022
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	08/08/2022	08/09/2022	09/01/2022
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	06/28/2021	12/21/2021	03/03/2022
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	08/12/2021	08/12/2021	11/08/2021
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	07/13/2022	07/14/2022	09/29/2022
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	CUPA KERN	CUPA Facility List	Kern County Public Health	10/03/2022	10/05/2022	12/16/2022
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	10/03/2022	10/05/2022	12/16/2022
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	12/03/2020	01/26/2021	04/14/2021
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	07/22/2022	07/25/2022	10/05/2022
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	07/31/2020	08/21/2020	11/09/2020
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	10/03/2022	10/04/2022	12/15/2022
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	07/11/2022	07/11/2022	09/23/2022
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	01/01/2022	01/21/2022	04/11/2022
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	01/10/2022	01/12/2022	04/04/2022
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	08/30/2022	09/20/2022	12/07/2022
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	08/30/2022	09/20/2022	12/08/2022
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	05/26/2021	07/09/2021	09/29/2021
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	04/22/2022	07/19/2022	09/30/2022
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	08/10/2020	08/12/2020	10/23/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	09/22/2021	11/18/2021	11/22/2021
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	02/15/2022	02/17/2022	05/11/2022
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/22/2021	03/02/2021	05/19/2021
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	10/04/2021	10/06/2021	12/29/2021
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	07/21/2022	07/25/2022	07/28/2022
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	05/24/2022	08/09/2022	10/28/2022
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	04/08/2022	05/18/2022	08/03/2022
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	05/24/2022	08/01/2022	10/20/2022
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	08/26/2022	08/29/2022	11/15/2022
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	09/22/2022	09/26/2022	12/09/2022
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	09/22/2022	09/26/2022	12/09/2022
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	06/18/2021	09/28/2021	12/14/2021
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	05/04/2022	06/30/2022	07/05/2022
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	07/27/2022	07/27/2022	10/11/2022
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	08/22/2022	08/23/2022	11/11/2022
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	08/25/2022	08/25/2022	11/15/2022
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	10/27/2021	03/04/2022	05/31/2022
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	07/22/2021	10/19/2021	01/13/2022
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	08/04/2022	08/04/2022	10/20/2022
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	08/04/2022	08/04/2022	10/20/2022
CA	SAN FRANCISCO MAHER	Maher Ordinance Property Listing	San Francisco Planning	01/18/2022	01/20/2022	04/27/2022
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	08/10/2022	08/11/2022	10/28/2022
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	05/16/2022	05/18/2022	08/04/2022
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/03/2020	11/05/2020	01/26/2021
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	09/15/2021	09/16/2021	12/09/2021
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	07/02/2021	07/06/2021	07/14/2021
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	06/30/2021	06/30/2021	09/24/2021
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/08/2022	02/10/2022	05/04/2022
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	08/03/2022	08/25/2022	11/14/2022
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	07/27/2022	07/27/2022	10/11/2022
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	07/13/2022	07/14/2022	09/29/2022
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	04/26/2021	04/28/2021	07/13/2021
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	05/26/2022	07/21/2022	09/30/2022
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	05/26/2022	07/25/2022	10/05/2022
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	08/29/2022	08/31/2022	11/21/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	09/21/2022	09/30/2022	12/14/2022
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	10/25/2022	10/26/2022	10/31/2022

STREET AND ADDRESS INFORMATION

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APPENDIX H

QUALIFICATIONS
OF
ENVIRONMENTAL PROFESSIONALS

ARAM B. KALOUSTIAN, P.E.
Principal

Mr. Aram Kaloustian has diversified experience in environmental, mechanical and civil engineering including indoor air quality surveys for mold and ventilation systems, asbestos and lead-based paint assessments, Phase I environmental surveys, subsurface environmental site assessments, remedial design, remediation system installation and operation, negotiations with regulatory agencies, computer modeling, research of new environmental investigative and remedial technologies, safety engineering and project management.

Mr. Kaloustian has conducted numerous assessments involving indoor air quality, asbestos and lead-based paint surveys and associated remediation projects by establishing investigative protocol, implementing efficient assessment strategies, and applying the site specific and appropriate remedial recommendations to all assessed projects. Mr. Kaloustian has also designed a variety of protocols for remedial and post-remedial monitoring services for a wide variety of project sites.

Mr. Kaloustian has conducted numerous historical and background Phase I investigations involving review of files located at various county health departments, water quality control boards, state departments of health, air quality management districts, city building departments, city departments of public works and city fire departments. These investigations also involved searches of state and federal databases for hazardous waste sites, generators, transporters and treatment/storage/disposal facilities, title searches, aerial photo reviews and visual site inspections.

Mr. Kaloustian has extensive subsurface site assessment experience involving underground storage tanks, exploratory borings and monitoring wells, implementation of monitoring and sampling programs, evaluation of monitoring and sampling data, review of historical site and site vicinity information, agency negotiations, and assessment and remediation recommendations.

Mr. Kaloustian's remedial design experience includes various vapor extraction and groundwater remediation systems for remediation of soil and groundwater impacted by hydrocarbon contamination. Mr. Kaloustian has designed and implemented vapor extraction treatment systems that have included internal combustion engines, catalytic thermal oxidizers and carbon adsorption. Groundwater treatment systems have included spray aeration tanks, carbon adsorption and air strippers.

Regulatory compliance experience includes obtaining permits for removal of underground storage tanks, drilling exploratory borings, installation of monitoring wells, and installation of vapor extraction treatment systems and groundwater treatment systems. This has required working with local county health departments, city departments of public works, city fire departments, air quality management districts, a number of publicly owned treatment works and the California Regional Water Quality Control Board.

Mr. Kaloustian has also constructed and evaluated various computer models for site assessment and remediation including models used to evaluate the vacuum influence of vapor extraction systems, the radius of influence of groundwater extraction, fate and transport analysis of contaminant's, and aquifer test data.

Mr. Kaloustian has also participated and has been the lead engineer in the research and development of new investigative and remedial techniques involving indoor air quality, horizontal drilling; and treatment of contaminated soil and sludge materials using remedial surfactants, bioremediation, soil washing, encapsulation and modified oxidation. Additional research experience includes participation in the South Coast Air Quality Survey in 1987 for research involving atmospheric chemistry.

Throughout the years, Mr. Kaloustian has also maintained certification and continuing education for Hazardous Waste Operations and Emergency Response (29CFR1910.120) and supervisory training; and has developed site specific health and safety plans for site assessment and remediation. Mr. Kaloustian has also been responsible for the development and implementation of a safety procedures manual for environmental assessment and remediation firms.

Registrations:	Registered Professional Civil Engineer, State of California Registered Professional Civil Engineer, State of Arizona Registered Professional Civil Engineer, State of Hawaii Registered Professional Civil Engineer, State of Texas Registered Professional Civil Engineer, State of Utah Registered Environmental Assessor, State of California (1994-1999)
Affiliations:	American Industrial Hygiene Association – Consultant Member National Society of Professional Engineers – Member California Ground Water Association - Member
Education:	M.S., Construction Engineering and Management, Stanford University B.S., Engineering and Applied Science, California Institute of Technology Indoor Air Quality Certification from the American Industrial Hygiene Association OSHA 40-Hour Hazardous Waste Operations Training and Certification Certified AHERA asbestos building inspector and management planner

APPENDIX F

TRANSPORTATION ASSESSMENT

Memorandum

Date: January 11, 2023

To: Mark D. Pleis, Lee & Associates – East Bay, Inc.

From: Bill Burton, Dana Ebe, Fehr & Peers

Subject: Cornerstone Church and Chu Property Residential Development – Transportation Assessment

WC22-3950

This memorandum has been prepared to summarize our evaluation of the potential transportation impacts resulting from the development of a multi-family residential project (the Project) on the Cornerstone Church and Chu property in Livermore, California. The Project proposes the development of 139 market rate multifamily units and 110 affordable units on a currently vacant property located at the intersection of Collier Canyon Road and Constitution Drive. The site is located within the Isabel Neighborhood Specific Plan Area and the land uses proposed are consistent with the assumptions of that study and its associated environmental documentation.

A transportation assessment is required by the City of Livermore (the City) prior to Project entitlement and the scope of this study was developed with the input of City staff. This memorandum describes the Project, its setting in Livermore, and the estimated total daily and peak hour trip generation resulting from the development. The memorandum also includes a review of the Project trip generation characteristics and a comparison to the assumptions and land uses included within the Isabel Neighborhood Specific Plan (INSP) Draft Environmental Impact Report (DEIR). In addition, the memorandum includes a review of the Project's site proposed plan relating to vehicles, bicycles, pedestrians, transit, emergency vehicle access and parking.

Project Transportation Characteristics

The Project site is located within the Isabel Neighborhood area of the City of Livermore, bound by Constitution Drive to the south, Collier Canyon Road to the east, and Collier Creek to the north and west. The proposed Project seeks to develop 139 multifamily residential townhouses and 110 affordable residential units. In addition, the Project would include a linear park/trail on the west side of the site, as well as two pocket parks for the use of future residents, totaling 2.7 acres of

park in combination. The Project would provide 388 off street parking spaces, including 18 guest parking spaces, one accessible parking space, and two electric vehicle (EV) parking spaces. Vehicular access to the site and parking would be provided via two new two driveways on Collier Canyon Road. The Project's proposed site plan is shown on **Figure 1**.

Trip Generation

Trip generation refers to the process of estimating the amount of vehicular traffic a project would add to the surrounding roadway system. Estimates are created for the peak one-hour periods during the weekday morning and evening commute hours when traffic volumes on adjacent streets are typically at their highest and the project is expected to generate the most traffic. Project trip generation was estimated using rates from the Institute of Transportation Engineers (ITE) *Trip Generation Manual* (11th Edition). The ITE Trip Generation Manual is a published guide providing trip generation rates for various land uses and is considered the industry standard for transportation professionals for evaluating the potential transportation outcomes of various land use decisions within the United States. The results are presented in **Table 1**. The proposed multifamily housing units are anticipated to generate 937 daily trips, 56 AM peak hour trips, and 71 PM peak hour trips on a typical weekday. The proposed affordable housing units are anticipated to generate 529 daily trips, 40 AM peak hour trips, and 51 PM peak hour trips on a typical weekday.

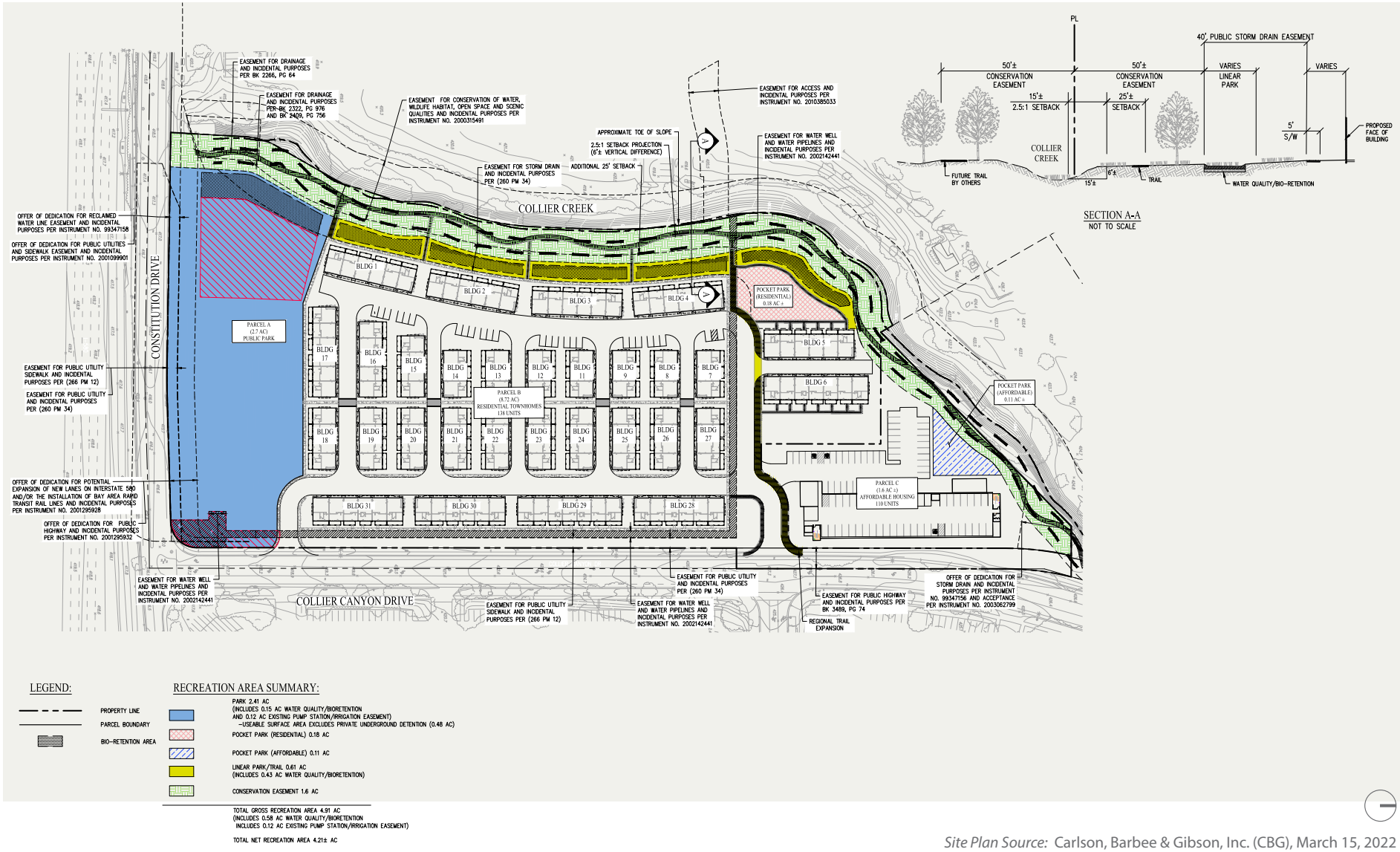
Table 1: Weekday Project Vehicle Trip Generation Summary

Land Use	ITE Code	Dwelling Units	Daily	AM Peak Hour			PM Peak Hour		
			Total	In	Out	Total	In	Out	Total
Multifamily Housing (Low-Rise)[1]	220	139	937	13	43	56	45	26	71
Affordable Housing[2]	223	110	529	11	29	40	30	21	51
TOTAL		**249**	**1,466**	**24**	**72**	**96**	**75**	**47**	**112**

Note:

1. Multifamily Housing (Low-Rise) (LU Code 220) Trip Generation Rates:
   Daily average rate: 6.74, 50% in, 50% out
   AM peak hour average rate: 0.40, 24% in, 76% out
   PM peak hour average rate: 0.51, 63% in, 37% out
2. Multifamily Housing (Low-Rise) (LU Code 220) Trip Generation Rates:
   Daily average rate: 4.81, 50% in, 50% out
   AM peak hour average rate: 0.36, 29% in, 71% out
   PM peak hour average rate: 0.46, 59% in, 41% out

Source: Institute of Transportation Engineers *Trip Generation Manual* (11th Edition).



Site Plan Source: Carlson, Barbee & Gibson, Inc. (CBG), March 15, 2022

Figure 1

Project Site Plan

INSP Consistency Check

The Project's land uses and their relevant transportation characteristics were reviewed for consistency with the assumptions and calculations of the transportation analysis prepared for the Isabel Neighborhood Specific Plan's (INSP) Draft Environmental Impact Report (DEIR).

Trip generation and development transportation impacts were forecasted for the INSP area within the DEIR using the Alameda CTC Countywide Travel Demand model. The model uses land use and roadway network assumptions to compute daily and peak period person trips. The INSP DEIR designated the Project site with Village and Center residential land uses and Open Space and New Neighborhood Park/Plaza non-residential land uses. The Village residential land use designation allows for mid-rise condominiums and apartments, with some opportunity for townhouses housing types and specifies a density of 25-40 dwelling unit/acre (du/ac). The Center residential land use designation allows for condominiums and apartments housing types and specifies a density of 40-60 dwelling unit/acre (du/ac). The Project seeks to develop 139 multifamily residential townhouses on 8.72 acres (16 du/ac), 110 affordable residential units on 1.6 acres (69 du/ac), and 2.7 acres of public park. The Project proposes land uses that are consistent with the INSP DEIR. In addition, the total density of residential units (24 du/ac) is less than the land use assumptions in the INSP DEIR. Therefore, the transportation related impacts of the proposed Project are expected to be less than those described in the INSP DEIR's transportation analysis.

It should be noted that the Alameda CTC model also applies relevant mode split adjustments to the daily person trips to generate daily vehicle trips in the development of future year scenario transportation forecasts. The future Valley Link Station at Isabel Avenue, anticipated to be completed between 2027 and 2028, is near the INSP area. Valley Link is conceived as a rail-based transit solution to improve connectivity between the BART Bay Area Rapid Transit system in the Tri-Valley and the Altamont Corridor Express (ACE), as well as improve connectivity between the greater San Francisco Bay Area and San Joaquin County. The implementation of rail-based transit is expected to improve the competitiveness of transit against driving, increasing the total number of transit trips and decreasing vehicle trips. In the INSP DEIR analysis, the Valley Link project was assumed within the 2028 Near Term and 2040 Cumulative forecasts. As the future Valley Link Station at Isabel Avenue is less than 0.5 mile from the Project site, the Project would be expected to generate similar future year modal split outcomes to those calculated within the INSP DEIR.

The Project, as proposed, is consistent with the assumptions and calculations of the INSP DEIR's transportation analysis.

Site Plan Review

This section analyzes site access and internal circulation for vehicles, pedestrians, bicycles, and emergency vehicles based on the site plan presented previously on **Figure 1**. The following site

access, circulation, and parking assessment was conducted to ensure safe and efficient circulation of vehicles, bicycles, and pedestrians within the Project site and on the roadways adjacent to the Project site. If warranted, potential recommendations regarding improvements to these site design features are provided.

Vehicular Site Access and Circulation

Vehicular access to the Project site would be provided via two proposed roadway connections to the external street network, both on Collier Canyon Road. **Figure 1** illustrates the proposed Project site plan, including both driveways, internal roadways, and parking spaces. Both access points are proposed to have stop sign control on the driveway approaches, with the main street (Collier Canyon Road) approaches being uncontrolled.

The posted speed limit on Collier Canyon Road is 35 miles per hour. Table 201.1 of the Caltrans Highway Design Manual (HDM) states that the stopping sight distance standard for a design speed of 40 miles per hour is 300 feet. Section 405.1 of the Caltrans HDM states that the corner sight distance standard for an unsignalized intersection with a design speed of 40 miles per hour (mph) is 385 feet for right-turns from stop and 440 feet for left-turns from stop. Both approaches to the north Project driveway access and the southbound approach to the south driveway meet stopping and corner sight distance requirements for a 40 miles per hour design speed.

The southern Project driveway on Collier Canyon Road is approximately 160 feet north of the Collier Canyon Road/Constitution Drive intersection (aligning with the existing driveway on the opposite side of the roadway). From Figure 202.2 of the Caltrans HDM, the design speed for vehicles turning to travel north at the Collier Canyon Road/Constitution Drive intersection is approximately 15 mph (curve radius of 50 feet). The southern driveway meets the 15-mph design speed stopping sight distance (100 feet) and corner sight distance (165 feet) looking to the south to observe vehicles traveling northbound on Collier Canyon Road. Thus, adequate sight distance is provided at both of the Project's proposed driveways. However, as the Project's design is finalized, these distances should be checked, and the Project should propose no features (signs, landscaping, etc.) that would compromise driveway sight distance.

> ***Improvement Recommendation 1:*** The final site plan for the Project should be analyzed by the Project's Civil Engineer to ensure that adequate sight distance is maintained at all driveways. No objects (landscaping, monument signs, etc.) greater than three feet in height should be allowed within the sight distance triangles at driveway intersections.

The portion of Collier Canyon Road fronting the Project site currently serves low traffic volumes, generated by demand from local residences and businesses. The proposed throat depths of the driveways are expected to provide adequate internal queuing capacity for vehicles exiting the Project.

Project driveways and internal roadways, except for townhouse driveways are generally 26 feet in width. Townhouse driveways are generally 20 feet in width. Trucks are expected to travel on site using the 26-foot-wide internal roadways, for moving, garbage, deliveries, and emergency access.

> ***Improvement Recommendation 2*:** The final site plan for the Project should illustrate truck turning templates at Project driveways and internal roadways showing that the applicable routes of travel provide sufficient space for emergency vehicles, garbage trucks, moving trucks/vans and automobiles.

Emergency Vehicle Access and Circulation

Several factors determine whether a project has sufficient access and circulation for emergency vehicles, including:

1. Location of closest fire stations
2. Number of access points (both public and emergency access only)
3. Width of access points
4. Width of internal roadways

Each of these factors is discussed in further detail below.

The fire station closest to the site is located on 330 Airway Boulevard (Livermore-Pleasanton Fire Station 10) approximately 0.6 miles northwest of the Project site. The fire station is approximately 1.7 miles from the Project site for vehicles via Airway Boulevard, North Canyons Parkway, and Constitution Drive. Adequate response time should be available from this nearby location.

Emergency vehicle access to the Project site would be provided by the two driveways along Collier Canyon Road and the internal roadways traversing through the site. The Project driveways and internal roadway connectors are each 26 feet in width, which should provide sufficient emergency vehicle access through the site.

Pedestrian Access and Circulation

Per City standards, the Project would create a significant impact related to the pedestrian system if any of the following criteria are met:

- Disrupt existing pedestrian facilities; or
- Interfere with planned pedestrian facilities; or
- Create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.

A robust network of pedestrian facilities (sidewalks, crosswalks, paths, etc) are provided on the roadways surrounding the Project site. The pedestrian network within the Project site is detailed on the site plan (**Figure 1**). Pedestrian sidewalks and pathways are provided throughout the site,

linking to Collier Canyon Road and the linear trail along Collier Creek. The Project proposes no features that would be hazardous to pedestrian travel and does not conflict with any pedestrian plans, policies or programs.

Bicycle Access and Circulation

The Project would create a significant impact related to the bicycle system if any of the following criteria are met:

- Disrupt existing bicycle facilities; or
- Interfere with planned bicycle facilities; or
- Create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards.

As illustrated on **Figure 1**, the Project proposes a designated bicycle facility along Collier Creek. In addition, bicycles would be permitted on all internal roadways. The Project proposes no features that would be hazardous to bicycle travel and does not conflict with any bicycle plans, policies or programs.

Designated areas for bicycle parking are not currently illustrated on the site plan. Chapter 3-20-060 of the City of Livermore's Municipal Code provides bicycle access standards by land use type. Based on the City's code, private parking lots for single-family dwellings and multiple-family dwellings are exempt from the bicycle access standards. Chapter 3-20-070 of the City of Livermore's Municipal Code provides development and maintenance standards for parking lots. Based on the City's code, bicycle parking stalls shall be provided with a device to be approved by the city and capable of supporting a bicycle in an upright position and having a means that will enable a user to lock his bicycle to such a device. In addition, areas containing bicycle parking stalls shall be protected by curbs, fences, planter areas, bumpers, or similar barriers for the mutual protection of bikes, automobiles and pedestrians. The bicycle parking stalls shall be surfaced with an asphaltic or portland cement binder pavement on a suitable base to provide a durable and dustless surface and shall be so graded and drained as to properly dispose of all surface water accumulated within the area.

> ***Improvement Recommendation 3:*** Provide short-term bicycle parking in front of each cluster of townhouse buildings and the affordable housing units. Short-term bicycle parking is typically provided in the form of bicycle racks. Provide long-term bicycle parking for the affordable housing units in a secured bicycle room or bicycle lockers.

Transit Access

Per City standards, the Project would create a significant impact related to transit service if the following criteria are met:

- The Project interferes with existing transit facilities or precludes the construction of planned transit facilities.

The Project proposes no features which conflict with existing transit services or planned transit services, including the Valley Link project. The Project is not expected to result in increases in ridership on local or regional transit facilities that would exceed their capacity. Significant adverse impacts related to transit were not identified.

Parking

The Project proposes two-car garages for each the multifamily units, resulting in a total of 278 parking spaces. For the affordable housing units, the Project proposes 89 parking spaces, including 40 covered spaces. The Project provides a total of 388 parking stalls, including 18 guest parking spaces, one accessible parking space, and two electric vehicle (EV) parking spaces.

The estimated peak parking demand for the Project was calculated using data and rates from the *Parking Generation Manual, 5th Edition* (2019) reference, published by the Institute of Transportation Engineers (ITE). Based on the ITE methodology, the Project is expected to generate a total peak demand of approximately 168 parking spaces for the multifamily units, 109 parking spaces for the affordable housing units, and two parking spaces for the public park. The Project provides sufficient parking to satisfy the anticipated parking demand for the multifamily units. However, the Project does not provide sufficient parking to satisfy the anticipated parking demand for the affordable housing units.

Chapter 3-20-050 of the City of Livermore's Municipal Code provides off-street parking requirements by specific land use type. Based on the City's code for townhouses, two parking spaces are required per unit, one must be covered for each townhouse. In addition to parking for residents, one additional guest parking space is required for every four townhouses. In total, the Project is required to provide 278 parking spaces (139 covered parking spaces) for the townhouse residents and 35 townhouse guest parking spaces. The Project provides sufficient total and covered parking for townhouse residents. However, the Project does not provide sufficient townhouse guest parking spaces. Based on the City's code, one and three-fourths stalls, eighty percent covered, is required for each affordable multi-family dwelling unit. In total, the Project is required to provide 193 parking spaces (154 covered parking spaces) for the affordable housing units. The Project does not provide sufficient parking to satisfy the City code parking requirements for affordable housing units. No off-street parking is required for public neighborhood parks per the City's code. It should be noted that parking, or the lack of parking, is not a concern within CEQA and is not considered within a project's environmental assessment.

Conclusions/Findings

Our review of the proposed Project identified no significant adverse impacts related to transportation. The Project's anticipated total daily and peak hour trip generation is within the assumptions of the transportation study performed for the Isabel Neighborhood Specific Plan Draft EIR. Additional transportation impacts over and above those described in that document are not anticipated.

The review of the Project's proposed site plan found no significant adverse impacts related to vehicles, pedestrians, bicycles, transit, or emergency vehicle access. Several recommendations were made to provide additional clarification as the Project enters final design, including:

- ***Improvement Recommendation 1:*** The final site plan for the Project should be analyzed by the Project's Civil Engineer to ensure that adequate sight distance is maintained at all driveways. No objects (landscaping, monument signs, etc.) greater than three feet in height should be allowed within the sight distance triangles at driveway intersections.

- ***Improvement Recommendation 2*:** The final site plan for the Project should illustrate truck turning templates at Project driveways and internal roadways showing that the applicable routes of travel provide sufficient space for emergency vehicles, garbage trucks, moving trucks/vans and automobiles.

- ***Improvement Recommendation 3:*** Provide short-term bicycle parking in front of each cluster of townhouse buildings and the affordable housing units. Short-term bicycle parking is typically provided in the form of bicycle racks. Provide long-term bicycle parking for the affordable housing units in a secured bicycle room or bicycle lockers.

Please contact Bill Burton (b.burton@fehrandpeers.com, 925.357.3381) with questions or comments.

October 18, 2024

Amanda Karchefski
Assistant Project Manager
Trumark
3001 Bishop Drive, Suite 100
San Ramon, CA 94583

Subject: Collier Canyon Road Multi-Family Residential Development Modification – Transportation Assessment

Dear Amanda,

We understand the description of the Collier Canyon Road Multi-Family Residential Development Project (Cornerstone Church and Chu Property) has modestly changed. The change includes the addition of four market rate multi-family units. The original project description included 139 for-sale townhome units and 110 affordable housing units while the current project includes 143 for-sale townhome units and 110 affordable housing units. The site plan has not changed, and the overall access and transportation scheme remains the same.

The additional four units are anticipated to generate approximately two additional vehicle trips in the weekday morning peak hour and two in the evening peak hour. Two additional peak hour trips are not expected to materially affect the area's transportation network.

The proposed project modification is not expected to alter the findings of our previously submitted transportation assessment for the project (*Cornerstone Church and Chu Property Residential Development Transportation Assessment*, September 1, 2023). Our previously provided memorandum and findings remain applicable.

FEHR & PEERS



Bill Burton, PE
Principal

IN THE CITY COUNCIL OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION APPROVING THE VESTING TENTATIVE TRACT MAP (VTTM) 8669 – SUBDIVISION (SUB) 22-006, SITE PLAN DESIGN REVIEW (SPDR) 22-004, AND CONDITIONAL USE PERMIT (CUP) 24-009, AND FIND NO NET LOSS FOR THE CORNERSTONE PROJECT

The City of Livermore ("City") received an application from Cornerstone for Vesting Tentative Tract Map (VTTM) 8669, Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, Conditional Use Permit (CUP) 24-009 and Consistency Determination 24-010 to develop five vacant lots at the northwest corner of the intersection of Collier Canyon Road and Constitution Drive, implementing the Isabel Neighborhood Specific Plan ("Project"). The Project will consist of 21 three story residential buildings and one 5 story apartment building for a total of 253 residential units. The project includes 114 affordable units and four accessible units, one public park and a smaller pocket park, public trail, and related landscaping, parking, stormwater, and frontage improvements. The applicant has submitted for relief under the Housing Crisis Act of 2019 (CA SB330) and Density Bonus under Government Code section 65915.

The applicant provided all the necessary information to qualify for Density Bonus Waivers under Government Code section 65915 upon initial submittal on April 20, 2022, with the waiver requests evolving with the on-going review.

The Applicant requested eleven Development Standard waivers and two concessions in accordance with Government Code Section 65915 governing Density Bonuses. The concessions are: (a) to allow 108 affordable units to be in the one apartment building and (b) to concentrate affordable units in the rental apartment building instead of dispersed between the rental units and the for-sale units. Four waivers are related to building design and view protection and seven waivers are related to comparability of units for households that have low-incomes and below, with units that are market-rate or for households that have moderate-incomes (120% of the Area Median Income). Since none of the findings set forth in Government Code Sections 65915(d)(1) and (e)(1) to deny waivers can be made, the City is required to grant the waivers and concessions.

At a duly noted public hearing on December 17, 2024, the Planning Commission considered the project and staff recommendation, heard public testimony, made the necessary findings and adopted Planning Commission resolution No. 51-24, attached hereto as Exhibit A, containing the Planning Commission's actions and/or recommendations thereon.

On January 27, 2025, the City Council held a duly noticed public hearing to consider the Project, staff recommendations, all public comments and testimony, and findings.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Livermore that prior to taking action on the Project, and at a properly noticed public hearing, the City Council reviewed written and oral staff reports, conducted a public hearing on the project and took testimony, and received into the record all pertinent documents related to the project (collectively, the "Record Evidence"). The City Council's determination is based on the Record Evidence, which is incorporated into this Resolution by reference.

BE IT FURTHER RESOLVED that the City Council of the City of Livermore has considered the Record Evidence and adopted a resolution finding the project to be exempt from the California Environmental Quality Act.

BE IT FURTHER RESOLVED that the City Council of the City of Livermore has considered the findings made in Planning Commission Resolution No. 51-24, attached hereto as Exhibit A, and the City Council hereby adopts the same findings by this reference and incorporates them as their own findings as part of this resolution. Based upon the City Council's own independent review of the Record Evidence and considerations, in accordance with the State Density Bonus Law and the Housing Crisis Act of 2019 (SB 330), the City Council hereby approves Vesting Tentative Tract Map (VTTM) 8669 - Subdivision 22-006, SPDR 22-004, and Conditional Use Permit 24-009, subject to the Conditions of Approval, attached hereto as Exhibit B, for the Cornerstone Project.

BE IT FURTHER RESOLVED that the City Council, based on the findings which are necessary for a No Net Loss analysis made in Planning Commission Resolution No. 51-24, attached hereto as Exhibit A, hereby adopts the same findings by this reference and incorporates them as their own findings as part of this resolution, and finds remaining sites identified in the Housing Element are adequate to meet the jurisdiction's remaining RHNA for the planning period by income category.

BE IT FURTHER RESOLVED that the City Council of the City of Livermore directs the Planning Manager to file a Notice of Exemption.

The documents that constitute the record of proceedings upon which this decision is based can be found in the Community Development Department 1052 S. Livermore Avenue, in Livermore, California.

On the motion of Council Member _____ , seconded by Council Member _____, the foregoing Resolution was passed and adopted on January 27, 2025, by the following vote:

AYES: COUNCIL MEMBERS:
NOES: COUNCIL MEMBERS:
ABSENT: COUNCIL MEMBERS:
ABSTAIN: COUNCIL MEMBERS:

ATTEST:

_____
Deborah L. Elam
City Clerk

APPROVED AS TO FORM:

/s/ Katherine Mirassou
Katherine Mirassou
Assistant City Attorney

Exhibit A – Planning Commission Project Resolution
Exhibit B – Conditions of Approval

IN THE PLANNING COMMISSION OF THE CITY OF LIVERMORE, CALIFORNIA

A RESOLUTION RECOMMENDING THAT THE CITY COUNCIL APPROVE VESTING TENTATIVE TRACT MAP (VTTM) 8669 – SUBDIVISION (SUB) 22-006, SITE PLAN DESIGN REVIEW (SPDR) 22-004, AND CONDITIONAL USE PERMIT (CUP) 24-009, AND FIND NO NET LOSS FOR THE CORNERSTONE DEVELOPMENT

On April 20, 2022, the City received an application from Cornerstone for Vesting Tentative Tract Map (VTTM) 8669, Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, Conditional Use Permit (CUP) 24-009 and Consistency Determination 24-010, to develop five vacant lots at the northwest corner of the intersection of Collier Canyon Road and Constitution Drive. The project will consist of 21 three story residential buildings and one 5 story apartment building for a total of 253 residential units. The project includes 114 affordable units and 14 accessible units, one public park and a smaller pocket park, public trail, and related landscaping, parking, stormwater, and frontage improvements. The applicant has submitted for relief under the Housing Crisis Act of 2019 (CA SB330) and Density Bonus under Government Code section 65915.

The applicant provided all the necessary information to qualify for Density Bonus Waivers under Government Code section 65915 upon initial submittal on April 20, 2022, with the waiver requests evolving with the on-going review.

The Applicant requested eleven Development Standard waivers and two concessions in accordance with Government Code Section 65915 governing Density Bonuses. The concessions are: (a) to allow 108 affordable units to be in the one apartment building and (b) to concentrate affordable units in the rental apartment building instead of dispersed between the rental units and the for-sale units. Four waivers are related to building design and view protection and seven waivers are related to comparability of units for households that have low-incomes and below, with units that are market-rate or for households that have moderate-incomes (120% of the Area Median Income). Since none of the findings set forth in Government Code Sections 65915(d)(1) and (e)(1) to deny waivers can be made, the City is required to grant the waivers and concessions.

On December 17, 2024, the Planning Commission held a duly noticed public hearing to consider the Project, staff recommendations, all public comments and testimony, and findings.

NOW, THEREFORE, BE IT RESOLVED by the Planning Commission of the City of Livermore that prior to taking action on the Project, and at a properly noticed public hearing, the Planning Commission reviewed written and oral staff reports, conducted a public hearing on the Project and took testimony, and received into the record all pertinent documents related to the Project (collectively, the "Record Evidence"). The Planning Commission's determination is based on the Record Evidence, which is incorporated into this Resolution by reference.

BE IT FURTHER RESOLVED that the Planning Commission of the City of Livermore has considered the Record Evidence and recommends the City Council adopt a resolution finding the Project to be exempt from the California Environmental Quality Act.

BE IT FURTHER RESOLVED, with respect to Site Plan Design Review 22-004, the Planning Commission finds based upon the information presented that:

1. The proposed development will be permitted within the subject zone.

   Findings: The proposed development consists of 253 residential units on approximately 13.09 acres, located within the Isabel Neighborhood Specific Plan. The parcel is in Specific Plan Subarea 2d, and has three zones: "Center," "Village," and "Open Space-Neighborhood Park." The proposed 253 housing unit count is between the minimum 200-units and the maximum 285-units established for this parcel. Therefore, the development is permitted within the subject zone.

2. The proposed development will be designed such that:

   a. The project will not be detrimental to the public health, safety, or general welfare, and not detrimental to adjacent property;
   b. Architectural design and functional plan of the structure(s) and related improvements are of reasonable aesthetic quality and compatible with adjacent developments;
   c. Structure(s) and related improvements are suitable for the proposed use of the property and provide adequate consideration of the existing and contemplated uses of land and orderly development in the general area of the subject site; and
   d. The project's site plan and design is consistent with the City's Design Standards and Guidelines.

   Findings: The project will not be detrimental to the public health, safety, or general welfare, and not detrimental to the adjacent property. The project provides adequate emergency vehicle access throughout the site and adequate fire access to upper floors. The project does not conflict with the County Airport Land Use Compatibility Plan with respect to height, density, or noise, and complies with FAA structure height standards. Water and sewer service will be provided to all units, and stormwater will be managed on-site per the Municipal Code. The site layout is suitable for trash truck pickup and adequate space will be provided in each townhouse unit garage and in common, first-floor trash enclosures for apartment units.

   The applicant prepared geotechnical (soils), biological, traffic, and noise studies, and found that no significant impacts would occur beyond those identified in the City-adopted EIR. Further, The City Traffic Engineer has determined that the proposed project does not impact the vehicular Level of Service, as is envisioned in the EIR, and supports the project for site development.

The project is also conditioned to conform with the Mitigation, Monitoring, and Reporting Program (MMRP) adopted with the certified 2020 Supplemental EIR. The project is not detrimental to adjacent properties and considers adjacent uses in the general area given that the proposed buildings meet or exceed streetside setbacks and uses a double row of trees to provide a soft-transition from Collier Canyon Road to the townhouses and the apartment building. The applicant will also build a new neighborhood park along Constitution Drive. Provided parking exceeds the maximum number of spaces that can be required based on the Density Bonus waivers. The structures are suitable for the site and the site plan is consistent with the City's Design Standards and Guidelines.

3. The proposed development is designed to include the following criteria, as applicable:

a. Compliance with Chapter 9.07 of the Development Code (Site Plan and Design Review), Municipal Code Title 15 (Buildings and Construction), and any other applicable City regulations and policies;
b. Efficient site layout and design;
c. Compatible and appropriate in scale to neighboring properties and developments.
d. Efficient and safe public access (both pedestrian and vehicular) and parking;
e. Appropriate and harmonious arrangement and relationship of proposed structures and signs to one another and to other development in the vicinity, based on good standards of design;
f. Appropriate relationship to land use and development of adjacent properties, including topographic and other physical characteristics of the land;
g. Proper site utilization and the establishment of a physical and architectural relationship to existing and proposed structures on the site;
h. Compatible architectural style with the character of the surrounding area, both to avoid repetition of identical design where not desired, and to ensure compatibility in design where desired;
i. Harmonious relationship with existing and proposed developments and the avoidance of both excessive variety and monotonous repetition;
j. Compatible in color, material, and composition of the exterior elevations to neighboring visible structures;
k. Appropriate exterior lighting which provides for public safety and is not of a nature that will constitute a hazard or nuisance to adjacent properties;
l. Compatible in scale and aesthetic treatment of proposed structures with public areas;
m. Appropriate open space and use of water efficient landscaping; and
n. Consistent with the General Plan and any applicable Specific Plan.

Findings: The Project includes an efficient site plan, with a grid of access driveways, and sidewalk connections to the public open spaces and street sidewalks. The project will provide public open spaces consisting of a neighborhood park, a pocket

park, a lighted path along Collier Canyon Creek, a parkway sidewalk along Collier Canyon Road, and will extend a trail off-site to North Canyons Parkway. Residential units and buildings contain smaller footprints and taller heights, with garage parking, ensuring an efficient use of space. The Project is also appropriately scaled to, and compatible with, adjacent development in that a double row of trees faces Collier Canyon Road and a neighborhood park faces Constitution Drive to provide a landscaped transition from the 20+ foot high neighboring buildings to the three-story townhouses and five story apartment building.

The Project provides adequate lighting at parking areas and walkways and will use less (recycled) irrigation water than is allowed. The Project is also consistent with the allowed residential uses and densities of the Specific Plan's Center and Village zoning districts, which call for more compact and dense development than Livermore's traditional residential zones. The project would provide a high-quality design and provides: (a) 137 market-rate and six moderate income townhouses, and (b) 110 apartments that are affordable to low-income households (22-units), low-income households (66-units), very low-income households (11-units), and extremely low-income households (11-units), as shown in the plans.

BE IT RESOLVED, with respect to the Vesting Tentative Tract Map 8669 - Subdivision 22-006, the Planning Commission finds based upon the information presented that:

1. The proposed map is consistent with the General Plan and Isabel Neighborhood Specific Plan, policies and guidelines implementing the General Plan (including the City's Design Standards and Guidelines), and other applicable provisions of the Development Code;

   Findings: The project is consistent with the Isabel Neighborhood General Plan designation in that it provides higher density housing within 1/2-mile of transit service and job centers and provides a mix of unit types, sizes, and affordability levels. The project also implements the Land Use, Housing, Community Character, and Climate Change elements by providing affordable housing near transit that is of a high-quality architectural design and that provides sustainable features like photovoltaic arrays and EV chargers. The project is consistent with the density range, development standards related to setbacks, height, and open space, and design standards and guidelines of the Isabel Neighborhood Specific Plan.

2. The site is physically suitable for the proposed type of development;

   Findings: The site is located within the Isabel Neighborhood, which is identified as one of the densest areas in the City. The site is entirely within the City limits and is surrounded on all sides by street right of ways, offices and business parks. The site is 13.09-acres in size and large enough to accommodate the 21 proposed townhouse buildings, five-story apartment building, parking, and common open spaces. The site

is generally rectangular with an off-set triangular north end, generally flat until it approaches the Collier Canyon Creek banks, and is grassland with 39 protected trees in the north to be removed. The applicant prepared a soils report, biological assessment, and an environmental assessment. The reports and studies found that the site contains no hazards, is suitable for residential development, and contains no special-status species. Therefore, the site is physically suitable for the proposed type of development.

3. The site is physically suitable for the proposed density of development;

Findings: The project site is in the Isabel Neighborhood Specific Plan with the lot physically described in Item 2 above. The project site is one, 13.09-acre lot with three, generally delineated zones: Center, Village, and Open Space, and is the entirety of INSP Subarea 2d. The proposed development consists of 253 housing units. This unit count is between the 200 to 283 total housing units that are envisioned in the INSP for Subarea 2d.

The subdivision plans show that the site is adequately served by all required public utilities, including: water, sewer, storm drain, telecommunications, gas and electricity. Services including police, fire, and medical already serve the neighborhood area, including the parcel. The project is within the Isabel Neighborhood Specific Plan's and EIR's anticipated density range. The Isabel Neighborhood Specific Plan Final EIR and Supplemental Final EIR concluded that existing utilities and services have sufficient capacity to accommodate buildout of the Specific Plan, including the incremental increase in demand from the Project. Therefore, the site is physically suitable for the proposed density of development.

4. The design of the subdivision or the proposed improvements will not cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitat. Notwithstanding the foregoing, the Commission or Council may approve a tentative map if an Environmental Impact Report was prepared with respect to the project and a statement of overriding considerations was made to the effect that specific economic, social, or other considerations make infeasible the mitigation measures or project alternatives identified in the EIR;

Findings: The Isabel Neighborhood Specific Plan Final EIR and Supplemental Final EIR analyzed all potential environmental impacts of development in the Isabel Neighborhood. The EIR was prepared at a "zoning action" level, for purposes of Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183, in that it includes enough specificity for future Specific Plan projects to rely on its analysis and limits the need for CEQA review for future Specific Plan projects. The City Council adopted a Statement of Overriding Considerations with the EIR and found that the plan would have significant and unavoidable impacts with respect to traffic, air quality, aesthetics, noise, cultural/ tribal resources, and agricultural

resources, but that the City's transit, housing, and economic goals outweighed the impacts, as allowed under CEQA.

The Council found that the mitigation measures identified in the EIR would reduce all other impacts to a less than significant level. Given that the project is within the density and intensity levels contemplated by the EIR, no environmental impacts beyond those identified in the EIR would occur. Further, the applicant prepared soils, biological, and noise studies and an environmental assessment. These studies found no impacts peculiar to the project would occur beyond those identified in the EIR. The project is also conditioned to conform with the Mitigation, Monitoring, and Reporting Program (MMRP) adopted with the certified EIR, ensuring all other environmental impacts remain less than significant.

5. The design of the subdivision or the type of improvements will not cause serious public health problems;

Findings: The project will not be detrimental to the public health, safety, or general welfare, and not cause serious health problems. The project provides adequate emergency vehicle access throughout the site and necessary ladder pads for fire access to upper floors. The project complies with the County Airport Land Use Compatibility Plan with respect to height, density, or noise and complies with FAA height standards. Water and sewer service will be provided to all units and stormwater will be appropriately managed on site. The site layout is suitable for trash truck pickup and adequate space will be provided for all general trash and recycling containers in each townhome unit garage and in the common trash enclosures used by apartments. The applicant prepared geotechnical, biological, and noise studies and found no impacts peculiar to the project would occur beyond those identified in the EIR. Interior noise levels would not exceed 45 dBA, as required by the California Building Code. In addition, no surficial or subsurface hazardous materials were discovered on-site and the residential use would not produce any hazardous materials, substantial noise, odor or vibration during regular operations. n For these reasons, the design of the subdivision or the type of improvements will not cause serious public health problems.

6. The design of the subdivision or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of property within the proposed subdivision (The Commission or Council may approve a tentative map if it finds that alternative easements for access will be provided, and that these will be substantially equivalent to ones previously acquired by the public. This Subparagraph shall apply only to easements of record or to easements established by judgment of a court of competent jurisdiction, and no authority is hereby granted to the Commission to determine that the public at large has acquired easements for access through or use of property within the proposed subdivision.);

Findings: The project site contains a number of existing easements for utilities, access, and landscape along Collier Canyon Road or Constitution Drive. All existing and proposed easements and dedications easements for use by the public at large, for access through or use of property within the proposed subdivision are respected and will be maintained as shown on the plans. For instance, the easements will not conflict with the proposed building footprints or limit street tree installation. For these reasons, the design of the subdivision or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of property within the proposed subdivision.

7. Any proposed phases and their proposed sequence of construction are identified on the submitted tentative map. The City may impose reasonable conditions relating to the filing of multiple final maps in conjunction with the approval of the tentative map (Section 66456.1);

Findings: The project does not propose any map phasing. However, the project will be built as individual buildings. All necessary and required improvements will be constructed with each building so that units are adequately supplied with utilities and services.

BE IT FURTHER RESOLVED, with respect to state RHNA requirements, the City's Housing Element Sites Inventory, and No Net Loss Law (Government Code Section 65863), the Planning Commission finds based upon the information presented that:

The Project provides more Moderate units than anticipated in the Housing Element Sites Inventory, but less Lower- and Above Moderate-Income units, producing a project deficit of 65 Lower-Income units and 38 Above Moderate-Income units. As required by Government Code Section 65863, the following No Net Loss findings must be made:

1. Remaining sites identified in the Housing Element are adequate to meet the jurisdiction's remaining RHNA for the planning period by income category.

Findings: Based on the Site Inventory and housing projects approved within the 2023-2031 RHNA Cycle, the City identifies a surplus of 120 Lower Income units, 264 Moderate Income units, and 804 Above Moderate units. The project deficit of 65 Lower-Income units and 38 Above Moderate-Income units will be adequately offset by the surplus described above.

2. Include a quantification of the remaining unmet need for the jurisdiction's RHNA at each income level and the remaining capacity of sites identified in the Housing Element, to accommodate that need by income level.

Findings: As stated in the above finding, the previously identified surplus would adequately offset the project deficit, and the project does not necessitate the identification of sites with remaining housing capacity.

BE IT FURTHER RESOLVED, with respect to Conditional Use Permit 24-009, the Planning Commission finds based upon the information presented that:

1. The proposed use is consistent with the General Plan and the Isabel Neighborhood Specific Plan;

   Findings: The proposed housing units and neighborhood park are consistent with the General Plan and Specific Plan envisioned residential and park uses, all necessary utilities and access is provided for public health and safety, and residences meet State and City development standards. Therefore, the use is consistent with the General Plan and the Isabel Neighborhood Specific Plan.

2. The proposed use is allowed within the subject zone and complies with all other applicable provisions of this Development Code and the Municipal Code.;

   Findings: The project site's single lot has three land use zones in the Isabel Neighborhood Specific Plan (INSP): Center, Village, and Open Space. The proposed 253 housing units are within the minimum 200 units and the maximum 286 units envisioned in the INSP for this site. Park open spaces are proposed that are consistent with the INSP Open Space zone. In addition, the project complies with all other applicable provisions of the City Development Code and Municipal Code, with State mandated affordable housing concessions and waivers. Therefore, the proposed project is allowed within the subject zones and complies with the Development Code and the Municipal Code.

3. The design, location, size, and operating characteristics of the proposed activity will be compatible with the existing and future land uses in the vicinity;

   Findings: The project's townhouses, apartment building, and transitioning setbacks and landscaping along streets and property lines, are compatible with: (a) the existing, surrounding office and business park developments and (b) will be compatible with the future redevelopment of adjacent properties and properties in the vicinity.

4. The subject site is: (a) physically suitable in terms of design, location, operating characteristics, shape, size, topography, and the provision of public and emergency vehicle (e.g., fire and medical) access and public services and utilities; and (b) served by highways and streets adequate in width and improvement to carry the kind and quantity of traffic the proposed use would likely generate;

Findings: The proposed and conditioned: residences, public open spaces, and emergency access and public services improvements have been determined to be consistent with the development standards and operational service standards of the reviewing City staff and outside agencies. In addition, the site is adequately served by existing surrounding streets and highways to accommodate projected future traffic. Therefore, the site is physically suitable for the proposed project and has adequate street access.

5. The site's suitability ensures that the type, density, and intensity of use being proposed will not endanger, jeopardize, or otherwise constitute a hazard to the public interest, health, safety, convenience, or welfare, or be materially detrimental to the improvements, persons, property, or uses in the vicinity and zone in which the property is located;

   Findings: This residential project meets all adopted land use, access, utility and emergency service standards as reviewed and recommended for approval by City staff and outside agencies. Therefore, the project will not endanger, jeopardize, or otherwise constitute a hazard to the public interest, health, safety, convenience, or welfare, or be materially detrimental to the improvements, persons, property, or uses in the vicinity and zone in which the property is located.

6. The applicant agrees in writing to comply with any and all of the conditions imposed by the review authority in the approval of the Conditional Use Permit or Zoning Use Permit.

   Findings: The applicant has worked with staff to modify the proposed project and accepted the conditions of approval to meet City and outside reviewing agency standards. The applicant will meet all provisions of the approved plans and conditions of approval prior to issuance of a building permit for residence construction. Therefore, the applicant agrees in writing to comply with any and all of the conditions imposed by the review authority in the approval of the Conditional Use Permit or Zoning Use Permit.

7. That any other findings prerequisite to approval of a Conditional Use Permit or Zoning Use Permit states elsewhere in the Development Code can be made.

   Findings: Approval of Vesting Tentative Tract Map (VTTM) 8669 – Subdivision (SUB) 22-006 and Site Plan Design Review (SPDR) 22-004 is required as the underlying cause of a Conditional Use Permit to grade within 150 feet of Collier Canyon Creek. Both entitlements are being recommended for approval because the Findings in the Development Code for their approval have been made. Therefore, the findings prerequisite to approval of a Conditional Use Permit elsewhere in the Development Code have been made.

BE IT FURTHER RESOLVED that the Livermore Planning Commission, based on the above findings which are necessary for a No Net Loss analysis, recommends the City Council find remaining sites identified in the Housing Element are adequate to meet the jurisdiction's remaining RHNA for the planning period by income category.

BE IT FURTHER RESOLVED that the Livermore Planning Commission, based on the above findings which are necessary to protect the public health, safety, and general welfare, recommends the City Council approve Vesting Tentative Tract Map (VTTM) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004.

BE IT FURTHER RESOLVED that the Livermore Planning Commission recommends that the City Council direct the Planning Manager to file a Notice of Exemption.

The documents that constitute the record of proceedings upon which this decision is based can be found in the Community Development Department 1052 S. Livermore Avenue, in Livermore, California.

On the motion by Commissioner Kronzak, seconded by Commissioner Fintschenko, the foregoing Resolution was adopted at the Planning Commission meeting of December 17, 2024, by the following vote:

AYES: ANDERSON, FINTSCHENKO, LEARY, KRONZAK.
NOES: NONE.
ABSENT: NONE.

Jacob Anderson, Chairperson

Stephen Riley

by Stephen Riley, Planning Manager
Secretary to the Planning Commission

Exhibit A – Conditions of Approval

EXHIBIT B: CONDITIONS OF APPROVAL

Vesting Tentative Tract Map (VTTM) 8669, Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, and Consistency Determination 24-010

Site Plan Design Review and Tentative Parcel Map to develop five vacant lots at the northwest corner of the intersection of Collier Canyon Road and Constitution Drive. The project will consist of 21 three story residential buildings and one 5 story apartment building for of a total of 253 residential units. The project includes 110 affordable units and four accessible units, a two public parks, and related landscaping, parking, stormwater, and frontage improvements. The applicant has submitted for relief under the Housing Crisis Act of 2019 (CA SB330) and Density Bonus under Government Code section 65915.

Location: 2620 Collier Canyon Road
APNs 905-0015-008, -026, -027, -028, and -029
Recommended for Approval by Planning Commission: December 17, 2024
Approved by City Council: January 27, 2024

A. PROJECT AUTHORIZATION

1. The project shall be in conformance with all City Ordinances, rules, regulations, and policies in effect when the project was submitted on April 20, 2022. The conditions listed below are particularly pertinent to this permit and shall not be construed to permit violation of other laws and policies not so listed.

2. Approval is limited to conformance of the land uses allowed in the Village and Transition zoning district Subarea 2d of the Isabel Neighborhood Specific Plan and conformance with submitted development plans as conditioned herein. Use of the property shall be limited to those permitted by the Isabel Neighborhood Specific Plan.

3. Vesting Tentative Parcel Map 8669 and associated Site Plan Design Review shall expire unless a Final Map is filed by December 17, 2026, or a request for extension is received and approved by the City.

B. PROJECT SPECIFIC CONDITIONS

1. The applicant shall respond in writing to all conditions contained in this document and its attachments. Responses shall describe how the condition has been met and shall, where applicable, direct the plan checker to the page and/or drawing detail that demonstrates compliance with the condition. A copy of these responses shall be provided with each set of revised plans.

2. Prior to or concurrent with approval of first final map, the applicant shall record the deed notification provided in the Livermore Executive Airport - Airport Land Use Compatibility Plan, Chapter 3.3.4.6, on the property for which this discretionary development permit is issued, as follows:

NOTICE OF AIRPORT IN VICINITY

This property is presently located in the vicinity of an airport, within what is known as an airport influence area. For that reason, the property may be subject to some of the annoyances or inconveniences associated with proximity to airport operations (for example: noise, vibration, or odors). Individual sensitivities to those annoyances can vary from person to person. You may wish to consider what airport annoyances, if any, are associated with the property before you complete your purchase and determine whether they are acceptable to you.

3. Prior issuance of a building permit for the 82nd townhome unit, construction of the affordable apartment building must begin, which shall be defined as completed foundation and beginning of vertical construction or to the satisfaction of the Community Development Director.

4. Prior to Final Occupancy of the building permit of the first residential unit, the applicant shall obtain City of Livermore Commission for the Arts approval for all proposed public art or shall provide proof of approval or pay the in-lieu fee to the satisfaction of the Office of Innovation and Economic Development Director. If constructing the art onsite, applicant shall install the art piece prior to Final Occupancy of the building permit for the third residential unit.

5. Prior to filing of the Final Map, the applicant shall design a pedestrian trail to north of the project site within public right of way to the intersection of North Canyon Parkway and Collier Canyon Road (trail). See the attached Exhibit for the general location of the trail extension. The applicant shall construct this trail prior to the occupancy of the first dwelling unit or residence other than the model home. The trail shall be designed and constructed with a pervious pavement surface per the conservation easement. The trail shall be maintained by the city through a CFD or other City funds, as described in the Engineering Considerations. Prior to Final Map Approval, the applicant shall provide a $100,000 cash bond for the construction of this trail, consistent with the Engineering Considerations. Should the trail be determined infeasible by the Community Development Director, the bond will be cashed in lieu of the applicant's construction of the trail.

6. Prior to Final Map approval, the applicant shall pay to the City the agreed upon fair share contribution of $200,000 for the pedestrian bridge over Collier Canyon Creek as identified in Chapter 3 of the Isabel Neighborhood Specific Plan (INSP) as Crossing C14, as well as an easement along Collier Canyon Creek on the project site for the landing of the future pedestrian bridge at a location agreed upon by the owner and Community Development Director.

7. Prior to Improvement Plan Approval, the applicant shall submit a photometric plan that demonstrates A-Street and EVA light levels meet the minimum one (1) foot-candle lighting requirement and 0.5 foot-candle along pedestrian paths, as approved by the Community Development Department Director.

8. Prior to Final Map approval, the applicant shall demonstrate on the plans design and dimensions of AC unit screening.

9. Prior to Final Map approval, the applicant shall work with staff to further reduce the stormwater biofiltration area in the southern public park, to the extent feasible, to the satisfaction of the Community Development Director.

10. Prior to Final Map approval, applicant shall demonstrate on plans directional curb ramps wherever feasible to the satisfaction of the Community Development Director.

11. Prior to Final Map approval, the applicant shall demonstrate on the plans design and dimensions of screening for all equipment (e.g., utility boxes, backflow preventers, rooftop HVAC equipment).

12. Prior to building permit issuance, the applicant shall demonstrate on the plans window inset dept of at least two (2) inches and window trim of at least half an inch in thickness (INSP Policies DS-46 and DS-95).

13. Prior to Final Map approval, applicant shall provide details of all site furnishings and shade structures on the landscape plans. Amenities shall include at least those identified in the entitlement plans but could include additional amenities such as outdoor cooking areas or activity courts, to the satisfaction of the Community Development Director.

14. Prior to Final Map/Improvement Plan approval, applicant shall demonstrate on the landscape plans that all street frontage trees along Collier Canyon Road and Constitution Drive will be installed to the satisfaction of the Community Development Department Director, and that if there is a conflict with the proposed tree placement and existing utility lines, applicant will cooperate with the Community Development Department Director to resolve such conflict in a way that best preserves the landscaping intent while not unduly burdening the applicant with major relocations of utilities.

15. The applicant is encouraged to consider the use of a local construction workforce who are paid area standard wages (Specific Plan Policy LU-46 and P-IMP-7).

16. In the event a Specific Plan Transportation Management Association (TMA) is formed for the Isabel Neighborhood, project shall annex into the association (Specific Plan Policy TRA-22).

17. In the event a programmatic Specific Plan parking management plan is created, project shall participate in the plan (Specific Plan Policy TRA-26).

18. In the event a programmatic Specific Plan wayfinding signage plan is created, project shall participate in the plan (Specific Plan Policy DS-24).

19. Reduce vibration impacts associated with construction activities by requiring construction contractors to implement measures to help reduce vibration levels at nearby sensitive receptors. Measures could include using bulldozers less than 20,000 pounds within 50 feet of residences, quiet pile driving technology, etc. (Specific Plan Policy ENV-7). For all proposed projects, Bay Area Air Quality Management District (BAAQMD; “Air District”) recommends requiring the implementation of all Basic Construction Mitigation Measures, listed in Table 8-1 of the BAAQMD CEQA Guidelines, whether or not construction-related emissions exceed applicable Thresholds of Significance (Specific Plan Policy ENV-14).

20. If, at the time of Building Permit application, the project site is determined to be within identified high risk Overlay Zones surrounding existing hazardous sites, roadways, or

TAC sources, the Community Development Director, in consultation with developer shall assess health risks at the location in question and incorporate feasible design-related risk mitigation measures, such as HEPA filters or equivalent indoor air quality equipment mechanisms, as appropriate (Specific Plan Policy ENV-12).

21. Project contractors shall reduce construction-related exhaust emissions by ensuring that all off-road equipment greater than 50 horsepower shall operate on an EPA-approved Tier 4 or newer engine. If Tier 4 engines are not commercially available within 200 miles of the project site, EPA-approved Tier 3 engines are permissible (Specific Plan Policy ENV-15).

22. Project contractors shall reduce construction-related fugitive ROG emissions by ensuring that low-VOC coatings that have a VOC content of 10 grams/liter (g/L) or less be used during construction (Specific Plan Policy ENV-16).

23. Project contractors shall reduce construction-related GHG emissions through implementation of the Bay Area Air Quality Management District's recommended best practices (Specific Plan Policy ENV-17).

24. Require that construction and structure demolition/modification activities be conducted outside of the bird nesting season (February 1 to August 31) to the extent feasible. Construction activities may be permitted to occur within bird nesting season if a qualified biologist conducts a pre-construction survey. The survey shall include the project site and a 250-foot buffer around project site boundaries, if feasible, not more than 14 days prior to site disturbance. If active nests of migratory birds are not detected, further action is not needed. If active nests are detected, an appropriate construction-free buffer shall be established around all active nests. Buffer size shall be determined by the biologist, with typical non-raptor buffers of 25 feet and raptor buffers of 250 feet and shall be periodically monitored by the biologist. After nesting is completed, as determined by the biologist, the buffer is no longer required. Buffers shall remain in place during the breeding season, or until the biologist has confirmed all chicks have fledged and are independent of their parents. The biologist survey, and any necessary buffer plans, shall be approved by the Community Development Department Director prior to site disturbance (Specific Plan Policy ENV-27).

25. The project shall implement the applicable project-level mitigation measures in the Mitigation Monitoring and Reporting Program (MMRP) prepared for and as required for all projects in the Isabel Neighborhood Specific Plan, as attached.

26. All project appliances shall be electric (no gas connections allowed), as set forth in the Isabel Neighborhood Specific Plan Environmental Impact Report Mitigation, Monitoring, and Reporting Program and the Green Building Standards Code, Section 15.26.190 of the Livermore Municipal Code.

27. All project landscaping shall be subject to selections noted on the approved landscaped plans or as approved by the Community Development Director.

28. Per Transferable Development Credit (TDC) regulations, TDC fees shall be applied to the project consistent with Livermore Development Code Section 4.02.060.

29. All trees adjacent to public infrastructure shall use control features such as root

barriers and engineered soils to prevent infrastructure damage, as approved by the Community Development Department Director.

30. Prior to Improvement Plan approval, the applicant shall demonstrate on the final landscape plans compliance with the City's Water Efficient Landscape Ordinance (WELO), as approved by the Community Development Department Director.

31. Prior to Final Map/Improvement Plan approval, applicant shall demonstrate on the landscape plans exterior backflow preventers shall be screened from public view with landscape or by other appropriate means, as approved by the Community Development Department Director.

32. The project applicant and/or contractor shall treat any human remains encountered during ground-disturbing activities in accordance with California Health and Safety Code Section 7050.5.

33. Prior to Final Map approval, the applicant shall show how bicycle parking spaces meet INSP minimum dimension requirements, 2x6 feet.

34. Prior to Final Map approval, applicant shall demonstrate on the plans design of Collier Canyon Road with on street parking and bike lanes, to the extent feasible, to the satisfaction of the Community Development Director.

35. Prior to Final Map approval, the applicant shall demonstrate on the landscape plans all trees as a minimum 24-inch box size.

36. Prior to Final Map/Improvement Plan approval, the applicant shall show on the Map the dedication of an easement for a future pedestrian/bike bridge per the attached exhibit and consistent with INSP trails plan, pending notification of the Regional Water Quality Control Board (RWQCB) as required by the RWQCB easement over Collier Canyon Creek. The bridge easement shall extend a minimum of 25 ft into the project site beyond the existing conservation easement to allow for a bridge landing outside of the RWQCB easement. Should the trail be determined infeasible by the Community Development Director, the removal of this easement requirement can be covered by General Condition C.3.

Added by Planning Commission on December 17, 2024:

37. Prior to Final Map approval, the applicant shall redesign the crosswalk at Collier Canyon Road and Gateway Avenue, to shorten the pedestrian crossing to the extent feasible as determined by the City Engineer.

C. GENERAL CONDITIONS OF APPROVAL

1. Development shall conform to the map designated by the City as project approved plans shall include but are not limited to subdivision, landscape, and architectural plans reviewed and approved by the Planning Commission and amended by the applicant to reflect any changes indicated above in the Project Specific Conditions or required by the City in the approval process.

2. The development impact fees (subject to annual increases) are vested at the time of the Preliminary Application submittal, April 20, 2022, pursuant to the requirements of the Housing Crisis Act of 2019 (SB 330).

3. The Community Development Department may approve minor amendments to the permit, provided that the permit is still in substantial conformance with the original approval.

4. Approval of the Site Plan Design Review and Vesting Tentative Parcel Map entitlements is not an authorization to commence construction. Building construction, alterations, repairs, sign erection, or occupancy shall not be permitted without prior approval of the Building Division through issuance of any required permits.

5. To the extent permitted by law, the project applicant shall defend, indemnify and hold harmless the City, its City Council, its officers, boards, commissions, employees and agents from and against any claim, action, or proceeding brought by a third party against the indemnified parties and the applicant to attack, set aside, or void the approval of the project or any permit authorized hereby for the project, including (without limitation) reimbursing the City its attorney's fees and costs incurred in defense of the litigation. The City may, in its sole discretion, elect to defend any such action with attorneys of its choice.

D. ENGINEERING DIVISION – DEVELOPMENT

1. Development shall conform to the attached Engineering Considerations, dated December 13, 2024.

E. BUILDING DIVISION

1. Project shall conform to CA codes adopted at time of Building Permit submittal.

2. Provide accessible parking (Van and Standard) in the Garage of Building A/110 Units.

F. MAINTENANCE DIVISION

1. The project site's Homeowners' Association (HOA) shall perform all onsite landscape maintenance and cover all associated maintenance costs. The HOA shall be responsible for the maintenance of Parcel J, the public pocket park.

G. HOUSING AND HUMAN SERVICES DIVISION

1. Prior to Final Map approval, applicant shall enter into an affordable housing agreement to ensure all provisions of the City's Inclusionary Housing Ordinance are satisfied pursuant to Livermore Development Code Section 10.06.050, as approved by the Community Development Department Director, except as may be altered by the project approval including Density Bonus waivers and concessions.

2. The owner of the affordable apartment housing project shall provide, for the duration of the Affordable Housing Agreement, supportive services that are designed to benefit the residents of the project. The specific services to be provided shall be determined

based upon a survey of the initial residents of the project but shall emphasize services that are appropriate to households with children. The owner shall use its best efforts to foster relationships with local service providers and non-profit organizations who are knowledgeable of the needs of local low-income households. The owner shall also work with Cornerstone Fellowship to provide residents access to services provided on their campus. Prior to occupancy of the affordable apartment building, the affordable apartment building owner shall provide a supportive services plan to the Community Development Director for their review and approval, which approval shall not be unreasonably withheld, so long as it meets the intent of this condition and City and INSP policies related to supportive services.

H. FIRE DEPARTMENT

The Fire Prevention Bureau reviews building/civil drawings for conceptual on-site fire mains and fire hydrant locations only. Plan check comments and approval DO NOT include: 1.) Installation of the on-site fire mains and fire hydrants. Specific installation drawings submitted by the licensed underground fire protection contractor shall be submitted to the Fire Prevention Bureau for approval; and 2.) Backflow prevention or connections to the public water mains.

1. FIRE HAZARDS: The project developer shall keep the site free of fire hazards from the start of lumber construction until the final inspection.

2. FIRE CODE: All construction shall conform to the requirements of the 2022 Livermore Fire Code and local ordinances. All required permits shall be obtained prior to work commencement.

3. SITE SAFETY: Site safety during construction shall be in accordance with Fire Code chapter 33.

4. FIRE SPRINKLERS: Automatic fire sprinklers shall be installed in all occupancies in accordance with the 2022 Livermore Building, Fire and Residential Codes with local amendments and ordinances.

5. EMERGENCY RESPONDER RADIO: Emergency responder radio coverage shall be provided in accordance with section 510 of the Fire Code.

6. FIRE PROTECTION FACILITIES: Prior to any construction framing, the applicant shall provide adequate fire protection facilities, including, but not limited to a water supply and water flow in conformance to the City's Fire Department Standards able to suppress a major fire.

7. WATER FLOW AND CONTROL VALVES: All fire sprinkler system water flow and control valves shall be complete and serviceable prior to final inspection. Prior to the occupancy of a building having a fire alarm system, the Fire Department shall test and witness the operation of the fire alarm system.

8. ELECTRICAL CONDUIT: Electrical conduit shall be provided to each fire protection system control valve including all valve(s) at the water connections. The Livermore-Pleasanton Fire Department requires electronic supervision of all valves for automatic sprinkler systems and fire protection systems.

9. LISTED: All commercial, industrial, and multi-family residential occupancies shall have valve tamper and water flow connected to a listed Central Station Service in accordance with NFPA 72. Fire Department plan check includes specifications, monitoring, installation, and alarm company certificates. Fire alarm control panel and remote annunciation shall be at location(s) approved by the Fire Prevention Bureau. All systems shall be point identified by individual device and annunciated by device type and point.

10. HAZARDOUS MATERIALS: Should any operation or business activity involve the use, storage or handling of hazardous materials, the firm shall be responsible for contacting the Livermore-Pleasanton Fire Department prior to commencing operations. Please contact the Hazardous Materials Coordinator at 925/454-2361.

11. FIRE HYDRANTS: Fire hydrants shall be installed at spacing not greater than 300 feet in industrial and commercial developments. Fire hydrants shall be installed at spacing not greater than 400 feet in residential developments.

12. FIRE LANE MARKING: On-site access ways, turn arounds, and internal drives shall be designated as fire lanes and identified as such by red curb striping and posted with signs at locations approve by the Fire Department. Signs shall be according to State standards and read “No Parking – Fire Lane” and must be shown on the plans. The red curb striping, sign location(s), and sign language shall be included in the building permit submittal for review and approval by the Livermore-Pleasanton Fire Department prior to building permit issuance.

    a. The following schedule for NO PARKING signs shall apply:

Width	*Requirements*
36 feet or greater	No requirements
Between 28 and 36 feet	Post one side
Between 20 and 28 feet	Post both sides
Less than 20 feet	Not permitted
Cul-de-Sac	Not permitted

13. EMERGENCY VEHICLE ACCESS ROADS: Access roads shall have 13 feet, 6 inches unobstructed vertical clearance, 20 feet of unobstructed width (26 feet where occupied building floors exceed 30 feet height), and inside turning radius of 31 feet and outside turning radius of 51 feet. Unobstructed shall mean a clear travel way, excluding parking width, and designed for an emergency vehicle weight of 70,000 pounds under all weather conditions. Unobstructed width shall not include the width of rolled curbs, sidewalks, or non-drivable surfaces. All exterior portions of buildings must be within 200 feet of an access road. Yard and parking area may be able to be located farther than 200 feet from access roads, depending on the specific use.

14. FIRE VEHICLE TURNAROUNDS: Where Fire Department vehicle access through or around a site involves changes in direction or curves, inside radius of 45 feet and outside radius of 55 feet shall be provided to facilitate fire truck turning radius for entry and exit from the site. Dead-end access ways and internal drives shall not exceed 300 feet in length and shall terminate in cul-de-sacs no less than 96 feet in diameter or hammer-head (tee). Standards and options are available through the Livermore-Pleasanton Fire Department, Fire Prevention Bureau.

15. PREMISES IDENTIFICATION: Address numbers shall be installed on the front or primary entrance for all buildings. Minimum building address character size shall be 12-inch high by

1-inch stroke. In all cases address numerals shall be of contrasting background and clearly visible in accordance with the Livermore-Pleasanton Fire Department Premises Identification Standards. This may warrant field verification and adjustments based upon topography, landscaping or other obstructions.

16. RESIDENTIAL – NEW CONSTRUCTION: The following items shall be provided prior to any construction above the foundation or slab.

    b. Emergency vehicle access shall be provided to the site (tract), including areas where construction is occurring.
    c. Designated construction material storage and construction worker parking shall not obstruct the emergency vehicle access route(s).
    d. On-site fire hydrants shall be in service. Fire hydrants shall be flushed and all valves open.

17. COMMERCIAL – NEW CONSTRUCTION: The following items shall be provided prior to any construction above the foundation or slab.

    e. Emergency vehicle access shall be provided to the site, including areas where construction is occurring. If Public Works Improvements are part of the project to access the site, an emergency vehicle access plan shall be submitted for review and approval to the Fire Department.
    f. If permanent access or site paving is not provided, the carrying capacity of the emergency vehicle access shall be 70,000 pounds under all weather conditions.
    g. Site staging area(s) shall be provided for materials and equipment. All staging areas shall be outside of the emergency vehicle access route shown on the approved plans.
    h. Where on-site fire hydrant(s) are required, they shall be installed, flushed and all valves open prior to any construction above the foundation or slab. This includes concrete tilt-up and masonry buildings.
    i. On-site fire hydrant(s) shall not be obstructed and shall be sufficiently above grade to have all hydrant valves and outlets accessible for emergency use.
    j. Where a project is phased as part of the development, specific access, water supply and fire hydrant installations will be required as part of each phase. As needed a phasing plan with these improvements will be required.
    k. Where on-site grading/utility plans are submitted for review and approval prior to building construction drawings, emergency vehicle access routes, fire hydrant locations, material staging areas, etc. shall be provided.

18. FINAL INSPECTION: Prior to request for final inspection, all access roads, on-site access and fire hydrants shall be provided. All fire hydrants shall be accepted, inspected and tested to applicable City Standards.

I. POLICE DEPARTMENT

1. The project shall be required to conform to the provisions of the security section of the Livermore Municipal Code.

DATE: December 13, 2024
Revised: December 17, 2024 by PC

ENGINEERING CONSIDERATIONS
(Subject to revision prior to final approval by Planning Commission and City Council)

TENTATIVE TRACT: VTTM 8669 (SUB22-006)

LOCATION: Collier Canyon Road (Cornerstone)

APPLICANT: Trumark and The Pacific Companies (Affordable)

Note: Special conditions are shown in standard type. Standard conditions that apply to this project are shown in italics. In addition, standard conditions of approval for this project are listed in Section II of the Development Plan Check and Procedures Manual.

1. DEFINITIONS

For the purpose of this agreement, the following words shall have the meanings respectively ascribed to them by this section:

Developer:	*Person(s) or Corporation(s) signing final map(s) and subdivision agreement(s)*
Improvement Plans:	*Construction drawings for required public and private improvements.*
Services:	*Utility lateral, or any portions of a conduit cable or duct, between a utility distribution line and the site it serves.*
Project:	*The work to be performed by Developer.*

2. VESTING TENTATIVE MAP

Approval or conditional approval of this vesting tentative map shall not limit the City Engineer's ability to require workable designs on future grading and improvement plans based upon these Engineering Considerations and the City's standard engineering specifications and details.

3. GENERAL

The project shall be in conformance with all City Ordinances, rules, regulations, and policies in effect when the Developer submitted the preliminary application in accordance with SB 330. *The conditions listed below are particularly pertinent to this permit and shall not be construed to permit violation of other laws and policies not so listed.*

All required improvements shall be constructed prior to occupancy of the new residential units on this site.

The Developer shall design and construct various improvements and amenities in accordance with the Isabel Neighborhood Specific Plan. These Engineering Considerations provide additional requirements for the design and construction of these improvements and amenities.

In order to provide public access to the proposed multi-use trail along Collier Creek at the western property line of the project, the Developer shall dedicate a public access easement over the trail on the final map.

In accordance with the Isabel Neighborhood Specific Plan, the Developer shall construct a neighborhood park along Constitution Drive at the southern portion of the project that is approximately 2.5 acres in size. Because this park is intended to accommodate a variety of public programs and events. The park shall include but is not limited to passive open space, playgrounds, picnic area, and pathways. Because LARPD will be maintaining and programming this park, the Developer shall design and construct this park per LARPD standards. LARPD approval signature will be required on the final plan set for the park. The developer shall dedicate the park parcel to the City on the final map. The City will coordinate with the Developer to amend the City's license agreement with LARPD for the maintenance of the proposed park and amenities. The park design shall incorporate the existing well site. The dedication and construction of this park shall be eligible for credits against the City's Park Impact Fee.

In order to facilitate the future construction of the Valley Link light rail project, the Developer shall dedicate additional right-of-way needed along their frontage on Constitution Drive that is beyond the previously dedicated right-of-way for transit rail lines and highway expansion (RSN 2001295928 & RSN 2002142441). It is estimated that at least another 10' of right-of-way will be needed for this future construction. The final configuration of this additional right-way will be determined by the San Joaquin Valley Regional Rail Authority.

In accordance with the Isabel Neighborhood Specific Plan, the Developer shall participate in a Transportation Management Association (TMA). The purpose of the TMA is to provide strategies to help make alternative modes of transportation as convenient, affordable and safe as solo driving. The strategies that may be included in the TMA are outlined in Chapter 3 of the Isabel Neighborhood Specific Plan.

A. IMPROVEMENT PLANS - Exhibit A-1

An engineered improvement plan shall be prepared by the Developer for approval by the City's Departments (including the Community Development, Public Services, Fire, and Police Department), which shall include, but not necessarily be limited to, existing site conditions, dedications, grading plans, street design and grades, curb, gutter, sidewalk and driveway grades, and type, size and location of all public works improvements as herein required. Approval of this tentative map does not constitute approval of the details shown thereon. If there is any conflict between the tentative map and these Engineering Considerations, the Engineering Considerations shall govern.

No specific phased development plan has been submitted with this tentative tract application. Therefore, all required improvements for this tentative map shall be constructed as one phase. A phased map could only be considered if a specific phasing plan is submitted for consideration as a tentative map amendment.

B. STANDARDS FOR IMPROVEMENT PLANS AND MAPS

All improvement plans and maps shall conform to the following City of Livermore documents except as modified by these engineering considerations:

1. *City of Livermore Standard Specifications and Details*
2. *Development Plan Check and Procedures Manual*

Completed final map and improvement plan checklists from the manual entitled "City of Livermore, Development Plan Check and Procedures Manual" shall be submitted with the first plan check submittal for each phase.

C. STANDARD CONDITIONS OF APPROVAL IN THE DEVELOPMENT PLAN CHECK AND PROCEDURES MANUAL

All of the standard conditions of approval for subdivisions and major projects as listed in Part II of the City of Livermore Development Plan Check and Procedures Manual apply except for the following: A-2, A-4, A-5, A-6, A-9, A-13, A-14, A-15, A-16, B-8, B-9, B-10, B-11, B-13, B-14, B-16, K-1, K-2, K-3

D. WORK IN OTHER JURISDICTIONS

The Developer is responsible for obtaining permits and approvals for construction work and property acquisition that are required by agencies other than the City of Livermore.

The project is proposing to relocate an existing AT&T line and conduit that currently crosses the project site. Developer shall provide approval from AT&T for the proposed relocation route of the line and conduit prior to the filing of the final map. The Developer shall be responsible for preparing any corresponding easement documents for the relocation and of the line and conduit and providing them to the City for review and approval. The relocation of this line shall be completed prior to any new on-site utility work.

The multi-use trial that is to be constructed along the western boundary is to be located within a conservation easement held by the Regional Water Quality Control Board (RWQCB). The Developer shall provide plans for review and approval from the RWQCB and the City prior to the filing of the final map for the construction of this multi-use trail.

Creek improvements may be subject to requirements of any or all of the following agencies: (1) California Department of Fish and Game, (2) the Army Corps of Engineers, (3) the Regional Water Quality Control Board, (4) State Department of Water Resources (5) the U.S. Fish and Wildlife Service, and (6) Alameda County Flood Control and Water Conservation District (Zone 7).

4. STREETS

A. SPECIFIC REQUIREMENTS:

The Developer shall offer easements and dedications for, and shall improve his share of the ultimate street widths for the following named streets in accordance with the City's General Plan:

Collier Canyon Road

Collier Canyon Road, south of North Canyons Parkway, is a local street in the General Plan with a right-of -way width varying from 60 feet to 100'. The street is comprised of 2 lanes in each direction with a dual left turn lane along the centerline.

In accordance with the Isabel Neighborhood Specific Plan Collier Canyon Road shall be reconfigured to a 2 lane road with a Class IIa bike lane on both sides. Collier Canyon Road improvements shall include but not limited to a 6 foot Class IIa Bike Lane; lane width modifications and transitions; signing and striping; surface treatments, and any necessary utility services needed by the proposed development. Parking spaces shall be added along the project frontage as space permits. Final lane configuration and widths shall be subject to review and approval by the City.

Along the project frontage, Collier Canyon Road shall be given a 1-1/2" A.C. overlay across the full width. Key cutting will be required at the conform points and along the gutter.

The crosswalk at Collier Canyon Road and Gateway Avenue shall be redesigned to shorten the pedestrian crossing length to the extent feasible as determined by the City Engineer.

Constitution Drive

Constitution Drive, west of Collier Canyon Road, is a local street in the General Plan with a right-of -way of varying width. The street is comprised of 2 lanes in each direction with a dual left turn lane along the centerline.

In accordance with the Isabel Neighborhood Specific Plan, Constitution Drive shall be reconfigured to a 2 lane road with a Class IIa bike lane on both sides. Constitution Drive improvements shall include but not be limited to an 6 foot Class IIa Bike Lane; lane width modifications and transitions; signing and striping; surface treatments, and any necessary utility services needed by the proposed development. Parking spaces shall be added along the project frontage as space permits. Final lane configuration and widths shall be subject to review and approval by the City.

Interior Streets

Interior Streets A, B, C, E, F, G and H are local private streets which shall be 26 feet wide with no on-street parking except where guest parking stalls are located. Interior alley is a local private

street which shall be 20 feet wide with no on street parking. All private interior streets will be designated as Commons to distinguish them from public streets.

Emergency Vehicle Access

The Developer shall construct and dedicate an easement for a 26 feet wide Emergency Vehicle Access as shown on the Tentative Map.

Additionally, prior to the start of framing for any buildings, full street sections shall be installed to provide access for emergency vehicles during construction of the buildings. Full street sections shall include installation of fire hydrants, utilities and curb and gutters.

CASp Certification for Public Walkways/Sidewalks

The Developer shall have a certified CASp Specialist review and certify that the design for all pedestrian improvements within the public right-of-way or a public easement complies with the following applicable regulations: American with Disabilities Act (ADA) requirements, the Public Rights-of-Way Accessibility Guidelines (PROWAG), and the requirements found in Chapter 11B of the 2019 California Building Code. If an accessibility design cannot meet the above listed applicable standards, the Developer shall propose and the CASp Specialist shall concur with a design exception request for approval by the City Engineer or their designee. In addition, the Developer shall have the certified CASp Specialist inspect and certify that pedestrian improvements are installed per the CASp certified design. Pedestrian improvements include new trails, walkways, sidewalks, accessible ramps, connections between existing and new pedestrian improvements, and modifications to existing pedestrian improvements within or adjacent to the project site, as shown on the approved plans.

5. TRAFFIC SIGNALS (Not Applicable)

6. TRAFFIC IMPACT FEE CREDITS AND REIMBURSEMENTS: (Not Applicable)

7. SANITARY SEWERS

Because the Developer has chosen to install the city standard asphalt street sections, the sanitary sewer lines in the private streets will be publicly owned and maintained. The Developer shall dedicate an easement to the City on the Final Map for this maintenance.

Sewer shall be extended across all frontages of each phase.

Sewer laterals with cleanout behind the curb shall be installed to each lot or site before the streets are surfaced.

8. STORM WATER DRAINAGE AND TREATMENT REQUIREMENTS

A. General

1. This site is subject to the National Pollutant Discharge Elimination System (NPDES) Program. Prior to the issuance of the initial grading or building permit, the Developer shall provide evidence that the site is covered by the statewide General Permit to Discharge Storm Water associated with construction activity. This requires confirmation that a Notice of Intent (NOI) and the applicable fee was sent to the State Water Resources Control Board. In addition, the grading plans need to state: "All grading shall be in accordance with the Storm Water Pollution Prevention Plan prepared by the Developer per the Notice of Intent on file with the State Water Resources Control Board".

2. Necessary interceptor ditches shall be concrete. Field inlets and storm drainage pipe may be necessary in conjunction with concrete interceptor ditches as secondary drainage releases. All interceptor ditches shall be privately maintained.

B. Storm Drainage Requirements

Per the City's Facilities Planning Guidelines (dated June 2005), the flows must have the following characteristics:

> *For a 10-year design discharge: a hydraulic grade line (HGL) is no higher than 1.25 feet below the top of curb elevation at any manhole or inlet.*
>
> *For a 100-year design discharge: a HGL does not exceed the top of curb elevation. (This is required for item 3 above.)*

For additional detail on these guidelines, the applicant should refer to the following resources: City of Livermore Storm Drain Master Plan & City of Livermore Facilities Planning Guidelines (both available at the Engineering counter at City Hall).

Because the Developer has chosen to build private streets, the storm drain system will be privately owned and maintained by a homeowner's association and maintained to the property line. In order to differentiate the ownership of public and private facilities, the Developer shall provide the additional structures (manholes and or catch basins) to be installed at the property line.

Because the project has proposed to convey storm water runoff through the northern catch basin on Collier Canyon Road, the Developer shall upgrade the existing 12" storm drain lines to 18" storm drain lines beginning at the catch basin on Collier Canyon Road and out to the connection with the 72" storm drain mains.

C. Stormwater Infrastructure Maintenance Funding

The cost to maintain all private storm water infrastructure installed with this project shall be funded by the Developer.

D. Channels (Not Applicable)

E. Storm Water Treatment, Detention and Low Impact Development Requirements

1. *The Developer shall treat the storm water runoff from this site prior to having the storm water enter the City's storm water distribution system. Stormwater Treatment, Low Impact Development, and Trash Capture is required by the Regional Water Quality Control Board. The Developer shall complete and or update the Stormwater Requirements Checklist. The Developer shall provide a storm water treatment plan with calculations indicating treatment that meets the latest requirements described in Section C.3 of the City's NPDES Permit with the Regional Water Quality Control Board. City approval of this plan and calculations is required prior to the approval of the improvement plans.*

2. *If this project is greater than one acre, the Developer shall provide a Hydrograph Modification Plan (HMP) with calculations in accordance with the Alameda Countywide Cleanwater Program (ACCWP) Bay Area Hydrology Model (BAHM) guidelines. The software for the design of control measures to meet the Flow Duration Control is available to download from* www.bayareamodel.org. *For additional information you may contact Debbie Salgado in the City's Engineering Department at (925-960-4558).*

3. The Developer shall install trash capture devices on catch basins, as needed, to minimize the flow of trash into the City's storm drain system.

4. *Prior to final map approval, the applicant shall enter into a maintenance agreement with the City of Livermore for all storm water treatment devices deemed necessary on this site. If the stormwater treatment devices will be maintained by the individual homeowners a cleanout will be necessary at the property lines to allow the residents to maintain their portion of the private storm drain underdrain. If the stormwater treatment device will be maintained by a Homeowners Association, then the cleanouts at each of the property lines may not be needed. The storm drain treatment devices shall be shown on the plat plans and included in the Operations and Maintenance Agreement. The Operations and Maintenance Agreement(s) shall be recorded prior to recordation of the Final Map.*

F. Stormwater Treatment Infrastructure Maintenance Funding

The cost to maintain all storm water treatment, detention and low impact development infrastructure installed with this project shall be funded by the Developer.

9. REQUIRED SOURCE CONTROL STORMWATER MEASURES

The Regional Water Quality Control Board adopted Order R2-2022-0018 issuing the Alameda Countywide NPDES municipal storm water permit for the Alameda Countywide Clean Water Program. The 17 member agencies, including Livermore, are subject to this permit and all its requirements including the following:

> *"The Permittees shall, as part of their continuous improvement process, submit enhanced new development and significant redevelopment Performance Standards that summarize source control requirements for such projects to limit pollutant generation, discharge, and runoff, to the maximum extent practicable…"*

In accordance with this requirement, the following source control measures, included as part of these Conditions of Approval, shall be implemented as a part of this project.

A. Structural Control Measures

1. Illegal Dumping to Storm Drain Inlets and Waterways

On-site storm drain inlets, except inlets located in landscaped areas, shall be clearly marked with the words "No Dumping! Flows to Bay" on a stainless-steel marker. The stainless-steel markers are available for purchase from the Water Resources Division. For ordering information, please call 925-960-8100. For projects with newly developed, privately maintained streets, agency staff will verify that storm drain inlets have been marked before the final sign-off on the project's building permit or encroachment permit.

2. Interior Floor Drains

Approved interior floor drains shall be plumbed to the sanitary sewer system and shall not be connected to the storm drain system. The applicant shall contact the Water Resources Division for specific connection and discharge requirements.

3. Parking Garages

Interior level parking garage floor drains shall be connected to a sand/oil interceptor or equivalent water treatment device approved by the Water Resources Division prior to discharging to the sanitary sewer system.

4. Pesticide/Fertilizer Application and Irrigation

a. Landscaping shall be designed to minimize irrigation and runoff, promote surface infiltration where possible, minimize the use of fertilizers and pesticides that can contribute to storm water pollution, and incorporate appropriate Bay-Friendly Landscaping principles.

b. If a landscaping plan is required as part of a development project application, the plan shall meet the following conditions related to reduction of pesticide use on the project site:

I. Where feasible, landscaping shall be designed and operated to treat storm water runoff by incorporating elements that collect, detain, and infiltrate runoff. In areas that provide detention of water, plants that are tolerant of saturated soil conditions and prolonged exposure to water shall be specified.

II. Plant materials selected shall be appropriate to site specific characteristics such as soil type, topography, climate, amount and timing of sunlight, prevailing winds,

rainfall, air movement, patterns of land use, ecological consistency and plant interactions to ensure successful establishment.

III. Existing native trees, shrubs, and ground cover shall be retained and incorporated into the landscape plan to the maximum extent practicable.

IV. Unless otherwise specified, proper maintenance of landscaping shall be the responsibility of the property owner.

V. Integrated pest management (IPM) principles and techniques shall be encouraged as part of the landscaping design. Some examples of IPM principles and techniques include the following:

i. Select plants that are well adapted to soil conditions at the site.

ii. Select plants that are well adapted to sun and shade conditions at the site. Consider future conditions when plants reach maturity. Consider seasonal changes and time of day.

iii. Provide irrigation appropriate to the water requirements of the selected plants.

iv. Select pest and disease resistant plants.

v. Plant a diversity of species to prevent a potential pest infestation from affecting the entire landscaping plan.

vi. Use "insectary" plants in the landscaping to attract and keep beneficial insects.

VI. Landscaping shall also comply with City of Livermore's "Water Efficient Landscape Ordinance". However, areas of a site used for bio-swales or other landscaped areas that function as a storm water treatment measure shall be exempt from the Water Efficient Landscaping requirements.

VII. An efficient irrigation system shall be installed in areas requiring irrigation. An example of an efficient irrigation system is one that includes a weather-based (automatic, self-adjusting) irrigation controller with a moisture and/or rain sensor shutoff, and in which sprinkler and spray heads are not permitted in areas less than 8 feet wide.

5. Pool, Spa, and Fountain Discharges

a. New or rebuilt swimming pools, hot tubs, spas and fountains must have a connection to the sanitary sewer to facilitate draining. This connection could be a drain in the pool to the sanitary sewer or a cleanout located close enough to the pool so that a hose can readily direct the pool discharge into the sanitary sewer cleanout.

b. When draining is necessary, a hose or other temporary system shall be directed into a sanitary sewer cleanout, or vegetated areas that are large enough to accommodate the volume without allowing the discharged water to flow to the storm drain system or receiving water body.

6. Food Service Equipment Cleaning

a. Food service facilities (including grocery stores) shall have a sink or other container for cleaning floor mats, equipment, and hood filters, which is connected to a grease interceptor prior to discharging to the sanitary sewer system. The cleaning area shall be large enough to allow for the largest type of equipment that must be cleaned at the facility. The cleaning area shall be indoors or in a roofed area outdoors and must be plumbed to the sanitary sewer. The discharge of wastewater from these washing activities to the storm drain system is prohibited. Outdoor cleaning areas shall be designed to prevent storm water run-on from entering the sanitary sewer and to prevent wastewater runoff to the storm drain from washing activities. Signs shall be posted indicating that all food service equipment washing activities shall be conducted in this area.

b. An oil and grease interceptor with a minimum size of 750 gallons is required for all food service facilities (including restaurants and grocery stores). Facilities that do not have any cooking or any other grease generating processes may request an exemption from this requirement.

7. Refuse Areas

a. New or redevelopment projects shall provide a roofed and enclosed area for dumpsters, recycling containers, compactors, and food waste containers. The area shall be designed to prevent water run-on to the area, to prevent runoff from the refuse area and to properly contain litter and trash. Dumpster leakage from covered trash and food compactor enclosures shall drain to the sanitary sewer via connection to an approved oil and grease interceptor device.

b. Runoff from trash enclosures, recycling areas, and/or food compactor enclosures or similar facilities shall not discharge to the storm drain system. Trash enclosure areas shall be designed to avoid run-on to the trash enclosure area. In most cases, drains are not permitted within trash enclosure areas. A drain, however, must be provided for compactors. If a drain is required in or beneath dumpsters, compactors, and tallow bin areas, it shall be connected to a grease removal device prior to discharging to the sanitary sewer.

8. Outdoor Process Activities/Equipment [1]

[1] Examples of businesses that may have outdoor process activities and equipment include machine shops and auto repair shops, and industries that have pretreatment facilities.

a. Process activities shall be performed either indoors or in roofed outdoor areas. If performed outdoors, the area shall be designed to prevent the "run-on" of storm water drainage, as well, as the runoff from the area with process activities.

b. Process equipment areas shall drain to the sanitary sewer system. The applicant shall contact the Water Resources Division for specific connection and discharge requirements.

9. Outdoor Equipment/Materials Storage

a. All outdoor equipment and materials storage areas shall be covered and/or bermed, or shall be designed with Best Management Practices (BMP) that effectively minimize the potential runoff and contact of storm water to pollutants.

b. Storage areas containing non-hazardous liquids shall be covered by a roof and be contained by berms, dikes, liners, vaults or similar spill containment devices.

c. All on-site hazardous materials and wastes, as defined and/or regulated by the California Public Health Code must be used, managed, and stored in compliance with the applicable Livermore Pleasanton Fire Department's requirements and regulations.

10. Vehicle/Equipment and Commercial/Industrial Cleaning

a. Wastewater from vehicle and equipment washing operations shall not be discharged to the storm drain system. Auto dealerships, however, may rinse off vehicle exterior surfaces for appearance purposes, provided only a minimum volume of water is used without soap or other cleaning agents.

b. Commercial/industrial facilities having vehicle/equipment cleaning needs shall either provide a roofed, bermed area for washing activities or discourage vehicle/equipment washing by removing hose bibs (faucets) and installing signs prohibiting such uses. Vehicle/equipment washing areas shall be paved, designed to prevent run-on to or runoff from the area, and plumbed to drain to the sanitary sewer via an oil water separator with a minimum size of 750-gallons or an approved equivalent pretreatment device.

c. Commercial car wash facilities shall be designed and operated such that no runoff from the facility is discharged to the storm drain system. Wastewater from the facility shall discharge to the sanitary sewer via an oil water separator with a minimum size of 750-gallons or an approved equivalent pretreatment device.

d. All facilities, which discharge wastewater generated from vehicle or equipment washing, must obtain a wastewater discharge permit from the City of Livermore's Water Resources Division prior to the commencement of the discharge.

11. Vehicle/Equipment Repair and Maintenance

a. Vehicle/equipment repair and maintenance shall be performed in a designated area indoors, or if such services must be performed outdoors, in an area designed to prevent the run-on and runoff of storm water. Oil and other automotive fluid change service must always be performed indoors.

b. Secondary containment shall be provided for exterior work areas where hazardous materials or hazardous wastes are used or stored. Drains shall not be installed within the secondary containment areas.

c. Vehicle service facilities shall not contain floor drains.

d. Tanks, containers, or sinks used for parts cleaning or rinsing shall not be connected to the storm drain system. Tanks, containers, or sinks used for such purposes shall not be directly connected to the sanitary sewer. Discharges to the sanitary sewer from such operations require prior approval from the Water Resources Division. The applicant shall contact the Water Resources Division for specific connection and discharge requirements.

12. Fuel Dispensing Areas [2] (Not Applicable)

13. Loading Docks (Not Applicable)

14. Fire Sprinkler Test Water

Provisions shall be made in the project design and construction to allow for the discharge of fire sprinkler test water to an onsite vegetated area. If this is not feasible, provide for discharge to the sanitary sewer in accordance with current plumbing codes.

15. Miscellaneous Drain or Wash Water

a. Boiler drain lines shall be connected to the sanitary sewer system and may not discharge to the storm drain system.

b. For small air conditioning units, air conditioning condensate shall be directed to landscaped areas as a minimum BMP. For large air conditioning units, in new developments or significant redevelopments, condensation lines shall be connected to the sanitary sewer system, wherever feasible.

c. Roof drains shall discharge and drain away from the building foundation to landscaped areas wherever feasible.

d. Washing and/or steam cleaning activities must be performed at an appropriately equipped facility that drains to the sanitary sewer as specified in Section J. Any outdoor washing or pressure washing must be in compliance with the City's Stormwater Management Program requirements and managed in such a way that there is no discharge

of soaps or other pollutants to the storm drain system. The applicant shall contact the Water Resources Division for specific discharge requirements.

16. Architectural Copper Installation

Projects with architectural copper should, if possible, purchase copper materials that have been pre-patinated at the factor. Whether patination is done offsite or onsite, applicant should consider coating the copper materials with an impervious coating that prevents further corrosion and runoff. If patination is done on-site, implement one or both of the following:

a. Collect rinse water in a tank and pump to the sanitary sewer. Contact the City of Livermore Water Resources before discharging to the sanitary sewer.

b. Collect the rinse water in a tank and haul off-site for proper disposal.

B. II. OPERATIONAL BMPS

This section details Best Management Practices (BMP) that private property owners and/or the occupants of private property must implement following the construction of projects. Ultimately, the responsibility for implementation of these BMPs rests with the property owners. The City of Livermore's Source Control Program routinely performs inspections of industrial and commercial sites to verify BMP implementation and effectiveness.

1. Paved Sidewalks and Parking Lots

Sidewalks and parking lots shall be swept regularly to minimize the accumulation of litter and debris. Wash water resulting from the pressure washing of parking lots must be captured, pretreated (if necessary) to meet local discharge limits, and discharged to the sanitary sewer. Wash water resulting from the pressure washing of sidewalks may be allowed to drain to the storm drain system provided that (a) no soap or other cleaning agents are used, and (b) all debris are trapped and collected to prevent entry into the storm drain system. Under no circumstances shall wash water containing any soap or other cleaning agents be discharged to the storm drain system.

2. Private Streets, Utilities and Common Areas

a. The owner of private streets and storm drains shall prepare and implement a plan for street sweeping of paved private roads and cleaning of all storm drain inlets.

b. For residential developments, where other maintenance mechanisms are not applicable or otherwise in place, a Property Owners Association, Landscape& Lighting District, or an equivalent mechanism shall be created and shall be responsible for maintaining all private streets and private utilities and other privately owned common areas and facilities on the site including landscaping. These maintenance responsibilities shall include implementing and maintaining storm water BMPs associated with improvements and landscaping.

CC&R's creating the association shall be reviewed and approved by the City prior to the recordation of the Final Map and recorded prior to the sale of the first residential unit. The CC&R's or Landscape & Lighting District shall describe how the storm water BMPs associated with privately owned improvements and landscaping shall be maintained and detail contact information for the entity responsible for such maintenance activities.

3. Vehicle/Equipment Repair and Maintenance

   a. No person shall dispose of, or permit the disposal, directly or indirectly, of vehicle fluids, hazardous materials, or rinse water from parts cleaning operations into storm drains.

   b. No vehicle fluid removal shall be performed outside a building, or on asphalt or ground surfaces, whether inside or outside a building, except in such a manner as to ensure that any spilled fluid will be in an area of secondary containment. Leaking vehicle fluids shall be contained or drained from the vehicle immediately.

   c. No person shall leave unattended drip parts or other open containers containing vehicle fluid, unless such containers are in use or in an area that cannot discharge to the storm drain.

4. Fueling Areas (Not Applicable)

5. Loading Docks (Not Applicable)

6. On-site Storm Drains

All on-site storm drains must be inspected and, if necessary, cleaned at least once a year immediately prior to the rainy season.

7. Architectural Copper Cleaning, Treating or Washing

When cleaning, treating or washing architectural copper features, implement one or both of the following:

   a. Collect rinse water in a tank and pump to the sanitary sewer. Contact the City of Livermore Water Resources before discharging to the sanitary sewer.

   b. Collect the rinse water in a tank and haul off-site for proper disposal.

10. WATER SUPPLY (CITY)

Water mains shall be extended across all frontages of each phase and all waterline valves must notate "EPDM" on the valve body.

Any water service that is to be abandoned or that was previously stubbed out to the site but will not be used by the development, shall be removed by the Developer.

Because the project is located within the City of Livermore Water Zone 1, the developer shall install pressure reduction valves (PRVs), backflow prevention devices and appurtenances on the potable and reclaimed water services as directed by the City Engineer.

The fire service backflow preventer(s) shall be effectively screened from the public right-of-way while at the same time preserving ease of maintenance access to the backflow preventer(s). Screening shall be as specified on City Standard Detail W-10A, B and C. The fire service backflow preventer(s) shall meet the performance standards of the backflow preventer shown in City Standard Detail W-10A, B and C.

Because the project is located within a reclaimed water service area, the irrigation system shall be connected to the reclaimed water system. If the Reclaimed water main is not currently located along the sight frontage of this project, the Developer shall extend the water main as necessary to connect to the main along said project site frontage.

Furthermore, the Developer shall Prepare a "Reclaimed Water Engineer's Report" for review and shall obtain City approval of the "Reclaimed Water Engineer's Report" prior to the approval of the final map.

Prior to removal of a 1-inch, a 1.5-inch, or a 2-inch water service, the Developer shall contact the City's Water Resources Division at (925) 960-8100 and ask if the City would like to convert the service to a water sampling station. Existing water services (of any size) that will not be used by the proposed development shall be abandoned at the main. Large services shall be abandoned by placing a blind flange on the tee at the main. Small services shall be abandoned by removing the corporation stop valve and installing the appropriate plug in the service saddle. Any valves or meters on abandoned services shall be removed. The meters shall be returned to the Water Resources Division if they are not reused. The Developer shall coordinate water service removals with the City's Water Resources Division as well as with the public works inspector.

Because the Developer has chosen to install the city standard asphalt street sections, the water mains in the private streets will be publicly owned and maintained. The Developer shall dedicate an easement to the City on the Final Map for this maintenance.

11. UNDERGROUNDING OF UTILITIES:

All existing and new electric (with the exception of any 60 KV and higher voltage wires) and communication lines along the project frontage and within the project shall be placed underground. Electric, gas, Comcast and SBC utilities are required and shall be placed in a common trench. All electric transformers shall be placed underground. (Commercial and industrial developments may have above ground transformers).

12. TRAILWAY/BIKEWAY REQUIREMENTS

Active Transportation Plan

Certain portions of this development are within the City of Livermore Active Transportation Plan established and adopted as part of the General Plan.

In accordance with this plan, the Developer will be required to construct Class IIa bike lanes along the project frontages of Collier Canyon Road and Constitution Drive.

In accordance with the Isabel Neighborhood Specific Plan, the developer shall install a multi-use trail along the western boundary to provide neighborhood connectivity to the City's trail system. The trail shall be at minimum 10' wide with 2' shoulders.

This trail shall also extend northerly through City right-of-way to provide a trail connection for the project to the intersection of North Canyons Parkway and Collier Canyon Road. The developer shall design this trail extension prior to the filing of the Final Map and shall construct this trail prior to the occupancy of the first dwelling unit or residence other than the model home. The trail shall be designed and constructed with a pervious pavement surface per the RWQCB conservation easement. The trail shall be maintained by the city through a CFD or other approved funding mechanism. Prior to Final Map Approval, the applicant shall provide a $100,000 cash bond for the construction of this trail. Should the trail be determined infeasible by the Community Development Director, the bond will be cashed in lieu of the applicant's construction of the trail.

The Developer shall dedicate a public access easement over the trail for pedestrian access on the final map.

13. MEDIANS AND OTHER LANDSCAPED AREAS (Not Used)

14. HORTICULTURIST'S REPORT

A Horticulturist's report will be required if the site is located north of Highway I-580.

15. SPECIAL DISTRICTS

A. Landscaping and Lighting Maintenance and Operation (Not applicable)

B. Assessment District

The development shall annex into Community Facilities Maintenance District 2023-1 (Isabel Neighborhood Specific Plan) to provide the City maintenance funds to maintain portions of public infrastructure and landscaping that is installed with the Isabel Neighborhood Specific Plan in accordance with the applicable rate and method of apportionment.

The Developer shall initiate and bear the costs for the annexation into CFD 2023-1.

Annexation documents shall be filed with the filing of the final map. The necessary documentation shall be submitted for City review with the first improvement plan submittal.

To provide maintenance funding to the City for public infrastructure and amenities not included in CFD 2023-1, the Developer shall form an additional Community Facilities District.

The Developer shall initiate and bear the costs for this new CFD.

Formation documents shall be filed with the filing of the final map. The necessary documentation shall be submitted for City review with the first improvement plan submittal.

16. AIRPORT LOCATION

This development is located in the vicinity of the Livermore Municipal Airport. Aircraft operations in the vicinity of the property may potentially create nuisances, including but not limited to noise, vibration or odors. The owner and or future buyer should be aware that operations and flight numbers at the Livermore Municipal Airport could increase in the future. A report must be filed with the Division of Real Estate relative to this matter.

An avigation easement shall be granted to the City. The grant shall be made on the City's "Avigation Easement" form.

17. SUBDIVISION AGREEMENT AND SECURITY

Following tentative map approval, the Subdivision Improvement Agreement will not be submitted to the City Council until the Developer has submitted all of the documents indicated in the "Final Approval of Tract Map Checklist" in the Development Plan Check and Procedures Manual (28) days prior to the city council meeting at which the final map will be considered for final approval by the City Council.

18. FEE AMOUNTS

The Developer will be required to pay the applicable development impact fees and project processing fees due in connection with this subdivision. The fee shall be the amount in effect at the time the fee is required to be paid.

19. VEHICLE ACCESS

Prior to or with the submittal for the first plan check of the tract improvement plans and final map, the Developer shall submit for review and approval a traffic control plan for providing safe entry to and exit from the site. The purpose of the plan is to insure that there will be safe entry and exit by construction and other vehicles prior to the installation of the required permanent improvements.

Access to the development by construction equipment, material delivery and other heavy loads shall be limited by the Developer to the following route:

Interstate 580, Isabel Avenue, Portola Avenue, Collier Canyon Road

Such heavy loads will not be allowed on existing residential streets in the vicinity of the development.

The wheel-loading on the above routes shall not exceed State load limits.

20. DEVELOPMENTS WITH PRIVATE ROADWAYS AND UTILITIES

The private improvements of the private street system are part of the improvements required of this subdivision. For this reason, the Developer shall pay Engineering Division plan check and construction inspection fees and the City Engineering Division will provide these services. The Developer will also provide subdivision security for the required private improvements.

FL: DES

VTTM 8669 SUB22-006 Cornerstone Engineering Considerations 12-13-24 Final for PC

Project Title: SP18-001; DCA18-001; APZ18-001; GPA18-001; POL18-001; ZMA18-001; PD18-001; PD18-006; PD18-007; and PD18-009
Project Name: Isabel Neighborhood Specific Plan

Isabel Neighborhood Specific Plan Mitigation Monitoring Program

SUMMARY OF IMPACT	SUMMARY OF MITIGATION MEASURE	AGENCY RESPONSIBLE FOR VERIFICATION	TIMING OF VERIFICATION
Traffic and Transportation			
3.3-2 Implementation of the proposed Plan would violate an air quality standard and contribute substantially to an existing or projected air quality violation during construction.	**MM-AQ-1: Require Construction Fleet to Use Renewable Diesel.** All applicants proposing development of projects within the Planning Area shall require their contractors, as a condition of contract, to reduce construction-related exhaust emissions by ensuring that all off-road equipment operating for more than 20 total hours over the entire duration of construction activities shall operate on renewable diesel (such as Diesel high performance renewable). Renewable diesel is currently commercially available in San Francisco Bay Area.	COL	TM, C
	MM-AQ-2: Require Use of Diesel Trucks with 2010-Compliant Model Year Engines. All applicants proposing development of projects within the Planning Area shall require their contractors, as a condition of contract, to use diesel trucks that have 2010 model year or newer engines. In the event that 2010 model year or newer diesel trucks cannot be obtained, the contractor must provide documentation to the City showing that a good faith effort to locate such engines was conducted.	COL	TM, C
	MM- AQ-3: Require Payment of Mitigation Fees to Offset Emissions Exceeding BAAQMD's Daily Pollutant Thresholds. The City shall work with BAAQMD's Office of Community Investment and Infrastructure (OCII) to establish City-specific construction emissions offset guidance that can be implemented to assess, determine, and issue mitigation fees that project applicants would be required to pay BAAQMD on a pro rata basis for all concurrently ongoing	COL, BAAQMD	TM, C

Responsible Agency/Department/Party

COL City of Livermore
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CDFW California Department of Fish & Wildlife
USFWS United States Fish and Wildlife Service
LVJUSD Livermore Valley Joint Unified School District
LPC Las Positas College
BAAQMD Bay Area Air Quality Management District

Timing of Verification

TM Prior to approval of tentative tract maps
FM Prior to approval of final tract maps
BP Prior to approval of building and/or grading plans
C During construction
PC Post construction/on-going

SUMMARY OF IMPACT	SUMMARY OF MITIGATION MEASURE	AGENCY RESPONSIBLE FOR VERIFICATION	TIMING OF VERIFICATION
	construction projects in the Planning Area to offset all pollutant emissions exceeding BAAQMD's daily pollutant thresholds. The offset fees may be paid into BAAQMD's Bay Area Clean Air Foundation (Foundation) in an amount to be determined at the time of mitigation. This mitigation (AQ-3) does not apply **if builder/contractor documents they will not exceed BAAQMD's dailey pollutant threshold,** This mitigation includes the following specific requirements: • For all construction projects occurring in the Planning Area, the applicants for each project shall require their construction contractors to estimate annual construction activity monitoring data for the following year. All applicants shall submit their estimated construction-related emissions to the City for review by November 1 of each year for the following construction year. • The City shall review all received construction estimates to ensure they are representative, total the emissions estimates for all construction projects that had activities that would be ongoing during the following construction year, and determine the total mitigation fee that would need to be submitted to BAAQMD to fund offsets for the portion of annual emissions that exceed BAAQMD's average daily thresholds for criteria pollutants. • In light of the total mitigation fee that was determined, and based on the construction emission amounts submitted by each applicant, the City shall appropriate the mitigation fee amount that would need to be submitted by each project applicant on a pro rata basis. The City shall issue the required mitigation fee amounts to each applicable project applicant.		

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	• Upon receiving the City's assigned mitigation fee amount, the applicants shall enter into a construction mitigation contract with BAAQMD to submit their apportioned mitigation fees.		
3.3-4 Implementation of the proposed Plan would result in a cumulatively considerable net increase of a criteria pollutant for which the project region is a nonattainment area for an applicable federal or state ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors).	**MM-AQ-1: Require Construction Fleet to Use Renewable Diesel.** All applicants proposing development of projects within the Planning Area shall require their contractors, as a condition of contract, to reduce construction-related exhaust emissions by ensuring that all off-road equipment operating for more than 20 total hours over the entire duration of construction activities shall operate on renewable diesel (such as Diesel high performance renewable). Renewable diesel is currently commercially available in San Francisco Bay Area.	COL	TM, C
	MM-AQ-2: Require Use of Diesel Trucks with 2010-Compliant Model Year Engines. All applicants proposing development of projects within the Planning Area shall require their contractors, as a condition of contract, to use diesel trucks that have 2010 model year or newer engines. In the event that 2010 model year or newer diesel trucks cannot be obtained, the contractor must provide documentation to the City showing that a good faith effort to locate such engines was conducted.	COL	TM, C
	MM- AQ-3: Require Payment of Mitigation Fees to Offset Emissions Exceeding BAAQMD's Daily Pollutant Thresholds. The City shall work with BAAQMD's Office of Community Investment and Infrastructure (OCII) to establish City-specific construction emissions offset guidance that can be implemented to assess, determine, and issue mitigation fees that project applicants would be required to pay BAAQMD on a pro rata basis for all concurrently ongoing construction projects in the Planning Area to offset all pollutant emissions exceeding BAAQMD's daily pollutant thresholds. The	COL. BAAQMD	TM, C

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	offset fees may be paid into BAAQMD's Bay Area Clean Air Foundation (Foundation) in an amount to be determined at the time of mitigation. This mitigation (AQ-3) does not apply **if builder/contractor documents they will not exceed BAAQMD's dailey pollutant threshold,** This mitigation includes the following specific requirements: • For all construction projects occurring in the Planning Area, the applicants for each project shall require their construction contractors to estimate annual construction activity monitoring data for the following year. All applicants shall submit their estimated construction-related emissions to the City for review by November 1 of each year for the following construction year. • The City shall review all received construction estimates to ensure they are representative, total the emissions estimates for all construction projects that had activities that would be ongoing during the following construction year, and determine the total mitigation fee that would need to be submitted to BAAQMD to fund offsets for the portion of annual emissions that exceed BAAQMD's average daily thresholds for criteria pollutants. • In light of the total mitigation fee that was determined, and based on the construction emission amounts submitted by each applicant, the City shall appropriate the mitigation fee amount that would need to be submitted by each project applicant on a pro rata basis. The City shall issue the required mitigation fee amounts to each applicable project applicant.		

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SUMMARY OF IMPACT	SUMMARY OF MITIGATION MEASURE	AGENCY RESPONSIBLE FOR VERIFICATION	TIMING OF VERIFICATION
	• Upon receiving the City's assigned mitigation fee amount, the applicants shall enter into a construction mitigation contract with BAAQMD to submit their apportioned mitigation fees.		
3.3-5 Implementation of the proposed Plan would expose sensitive receptors to substantial pollutant concentrations from new sources of toxic air containments.	**Mitigation Measure AQ-4: Require Future Projects Located within 1,000 Feet of Receptors Perform a Construction Health Risk Assessment**. All applicants proposing development of projects within 1,000 feet of existing sensitive receptors, as defined by the Bay Area Air Quality Management District (BAAQMD), shall prepare a site-specific construction health risk assessment (HRA) taking into account both project-level and cumulative health risks (including existing TAC sources). If the HRA demonstrates, to the satisfaction of the City, that the health risk exposures for adjacent receptors may be less than BAAQMD project-level and cumulative thresholds (as appropriate), then additional mitigation would be unnecessary. However, if the HRA demonstrates that health risks would exceed BAAQMD project-level and/or cumulative thresholds (as appropriate), additional feasible on- and offsite mitigation shall be analyzed by the applicant to help reduce risks to the greatest extent practicable.	COL, BAAQMD	TM, C, PC

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SUMMARY OF IMPACT	SUMMARY OF MITIGATION MEASURE	AGENCY RESPONSIBLE FOR VERIFICATION	TIMING OF VERIFICATION
Energy, Greenhouse Gases, and Climate Change			
3.4-2 Implementation of the proposed Plan would generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.	**MM- GHG-1**: Operational GHG Emissions Reduction Measures. Implement the following GHG emissions reduction strategies to guide future development within the Planning Area: 1. Require that a minimum of 20 percent of housing allowed under the proposed Plan be affordable (below market-rate) housing. 2. Incorporate street and intersection traffic calming measures to a minimum of 25 percent of streets and intersections in the Planning Area. Street traffic calming features may include, but are not limited to, on-street parking, planter strips with street trees, chicanes, horizontal shifts (lane centerline that curves or shifts), bollards, rumble strips, and woonerfs, Intersection traffic calming measures may include, but are not limited to, marked crosswalks, count-down signal timers, curb extensions, channelization islands, speed tables, raised crosswalks, raised intersections, median islands, tight corner radii, and traffic circles or mini-circles. 3. Expand the existing local bus network in the Planning Area by a minimum of 25 percent by adding or modifying bus routes to increase accessibility to the BART station at Isabel Avenue. 4. Require all new development to install indoor water efficient appliances and fixtures to achieve a minimum of 15 percent reduction in water usage and require applicants for new development to submit landscape and irrigation plans capable of achieving a minimum of 10 percent reduction in outdoor water usage. The percent reductions should be achieved over baseline water use conditions in the City at the time of	COL	TM, FM, BP, PC

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	development. 5. Require a minimum solid waste diversion rate of 85 percent to be achieved by 2040. 6. Require electric-only appliances and HVAC (e.g. no natural gas heating, cooling, or cooking). 7. Require employers with more than 50 employees to provide a suite of travel demand reduction measures (TDM) capable of reducing single-vehicle trips by at least 20 percent compared to normal trip generation rates.		
3.4-3 Implementation of the proposed Plan would conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.	MM- GHG-1: Operational GHG Emissions Reduction Measures. Implement the following GHG emissions reduction strategies to guide future development within the Planning Area: 1. Require that a minimum of 20 percent of housing allowed under the proposed Plan be affordable (below market-rate) housing. 2. Incorporate street and intersection traffic calming measures to a minimum of 25 percent of streets and intersections in the Planning Area. Street traffic calming features may include, but are not limited to, on-street parking, planter strips with street trees, chicanes, horizontal shifts (lane centerline that curves or shifts), bollards, rumble strips, and woonerfs, Intersection traffic calming measures may include, but are not limited to, marked crosswalks, count-down signal timers, curb extensions, channelization islands, speed tables, raised crosswalks, raised intersections, median islands, tight corner radii, and traffic circles or mini-circles. 3. Expand the existing local bus network in the Planning Area by	COL	TM, FM, BP, PC

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SUMMARY OF IMPACT	SUMMARY OF MITIGATION MEASURE	AGENCY RESPONSIBLE FOR VERIFICATION	TIMING OF VERIFICATION
	a minimum of 25 percent by adding or modifying bus routes to increase accessibility to the BART station at Isabel Avenue. 4. Require all new development to install indoor water efficient appliances and fixtures to achieve a minimum of 15 percent reduction in water usage and require applicants for new development to submit landscape and irrigation plans capable of achieving a minimum of 10 percent reduction in outdoor water usage. The percent reductions should be achieved over baseline water use conditions in the City at the time of development. 5. Require a minimum solid waste diversion rate of 85 percent to be achieved by 2040. 6. Require electric-only appliances and HVAC (e.g. no natural gas heating, cooling, or cooking). 7. Require employers with more than 50 employees to provide a suite of travel demand reduction measures (TDM) capable of reducing single-vehicle trips by at least 20 percent compared to normal trip generation rates.		
Noise			
3.6-1 Implementation of the proposed Plan could expose persons to or generate noise levels in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies.	**MM NOI-1**. Implement Traffic Noise Reduction Measures at Existing Sensitive Receptors. *Stationary Equipment Noise* Noise from mechanical equipment in the Planning Area could include HVAC and other mechanical equipment (e.g., larger mechanical equipment, emergency generators, etc.). As discussed under Impact 3.6-1 above, Policy P1 under Objective N-1.5 in the City General Plan states that the City shall require that industrial and commercial uses be designed and operated so as to avoid the generation of noise effects on surrounding sensitive land uses	COL	TM, BP, C, PC

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	(e.g., residential, churches, schools, hospitals) from exceeding the following noise levels for exterior environments: (a) 55 dBA L50 (7:00 a.m. to 10:00 p.m.) (b) 45 dBA L50 (10:00 p.m. to 7:00 a.m.). In addition, Policy P-ENV-8 under the proposed Plan, described previously, would ensure that noise from noise-generating land uses, as measured from the property line, would be limited as follows: • In residential areas of the Isabel Neighborhood, exterior noise levels may not exceed 65 dBA from 7:00 a.m. to 12:00 a.m or 60 dBA from 12:00 a.m. to 7:00 a.m. • Along Main Street and in the office, commercial, or business park areas of the Isabel Neighborhood, exterior noise levels may not exceed 75 dBA from 7:00 a.m. to 12:00 a.m or 65 dBA from 12:00 a.m. to 7:00 a.m.		
3.6-3 Implementation of the proposed Plan could result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project.	**MM NOI-1.** Implement Traffic Noise Reduction Measures at Existing Sensitive Receptors. ***Stationary Equipment Noise*** Noise from mechanical equipment in the Planning Area could include HVAC and other mechanical equipment (e.g., larger mechanical equipment, emergency generators, etc.). As discussed under Impact 3.6-1 above, Policy P1 under Objective N-1.5 in the City General Plan states that the City shall require that industrial and commercial uses be designed and operated so as to avoid the generation of noise effects on surrounding sensitive land uses (e.g., residential, churches, schools, hospitals) from exceeding the following noise levels for exterior environments: (a) 55 dBA L50 (7:00 a.m. to 10:00 p.m.) (b) 45 dBA L50 (10:00 p.m. to 7:00 a.m.). In addition, Policy P-ENV-8 under the proposed Plan, described previously, would ensure that noise from noise-generating land uses, as measured from the property line, would be limited as follows:	COL	TM, BP, PC, C

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	• In residential areas of the Isabel Neighborhood, exterior noise levels may not exceed 65 dBA from 7:00 a.m. to 12:00 a.m or 60 dBA from 12:00 a.m. to 7:00 a.m. • Along Main Street and in the office, commercial, or business park areas of the Isabel Neighborhood, exterior noise levels may not exceed 75 dBA from 7:00 a.m. to 12:00 a.m or 65 dBA from 12:00 a.m. to 7:00 a.m.		
Biological Resources			
3.7-1 Implementation of the proposed Plan would have a substantial adverse effect, either directly or through habitat modifications, on special-status species.	**MM-BIO-1**: If impacts to special-status plan species are unavoidable, Prepare and implement a salvage, relocation, or propagation and monitoring plan for special-status plant species. If a protocol-level botanical survey reveals the presence of special-status plant species in the Planning Area, all directly affected areas of special-status plants will be documented by a qualified botanist or ecologist retained by project proponents prior to issuance of grading permits, consistent with Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities State of California (CDFW, 2009). Documentation will include density and percent cover; key habitat characteristics, including soil type, associated species, hydrology, and topography; and photographs of preconstruction conditions. Impacts to rare (California Rare Plant Rank 1 and 2) native plant species will be avoided where feasible. If impacts to such species are unavoidable, the project proponent will notify USFWS and/or CDFW and a qualified botanist or restoration ecologist will prepare a salvage, relocation, or propagation and monitoring plan in coordination with USFWS and/or CDFW prior to construction to address affected special-status plant species. The plan will include provisions that address the techniques, location, and procedures required for the successful establishment of the plant populations. The plan will include provisions for performance that address survivability	COL. Zone 7, CDFW, USFW	TM, C, PC

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	requirements, maintenance, monitoring, implementation, and the annual reporting requirements. Monitoring and success criteria applicable to special-status plant salvage, relocation, or propagation will require the following. • At least two surveys by a qualified botanist or ecologist per monitoring year. • At least 80 percent of the planted area must support vegetation composition and density consistent with reference population conditions. • At least 80 percent of the planted area must support target species amounts similar to reference feature conditions. • A minimum of five consecutive years of monitoring to ensure success criteria are met. • Remedial actions to restore intended ecological function of planted areas that fail to meet the success criteria for three consecutive years. MM-BIO-2: Avoid nesting birds where feasible. Proponents (or their contractors) of specific projects under the proposed Plan shall conduct construction activities outside the bird nesting season (February 1 to August 31) to the extent feasible. If construction initiation is unavoidable during this time, the project proponent or its contractor will retain a qualified wildlife biologist with demonstrated nest-searching experience to conduct preconstruction surveys for nesting birds (including raptors, but excluding burrowing owl) within 300 feet and including the near-term or longer-term improvements environmental footprints. Adjacent lands outside the development footprints will be scanned with binoculars from the limit of ground-disturbance and publicly accessible areas. Preconstruction surveys will occur no more than three days prior to the onset of ground-disturbing activities (including clearing, grubbing, and		

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	staging) at each development area. If active nests are found in the development footprints, the biologist will establish a no-disturbance buffer around the nest and mark the buffer perimeter with high-visibility fencing, flagging, or pin flags. The size of the buffer will be based on the species' sensitivity to disturbance and planned work activities in the vicinity; typical buffer sizes are 250 feet for raptors and 50 feet for other birds. The buffer will remain in place until the nest is no longer active, as determined by the biologist. Buffers for any nests found outside but within 300 feet of the development sites will be established based on the biologist's best professional judgment whether the work would result in nest abandonment. If a lapse in construction activities of 15 days or longer at a previously surveyed environmental footprint occurs, another preconstruction survey will be conducted. If structure demolition activities cannot occur outside of the nesting season, the project proponent or its contractor will remove inactive nests from the structure to be demolished and install nest exclusion measures (e.g., fine mesh netting, panels, or metal projectors) outside of the nesting season. All exclusionary devices will be monitored and maintained throughout the breeding season to ensure that they are successful in preventing the birds from accessing the cavities or nest sites. No more than three days prior to structure demolition activities, a qualified biologist will conduct a preconstruction survey of all potential nesting habitat on the structures to be demolished/modified and the surrounding areas for the presence of active nests. If active nests are found on the structures or in the affected area, then demolition/modification activities will not proceed until the biologist verifies that all nests on the structures are inactive. After all surveys and/or nest deterrence activities are completed at each development footprint, the biologist will complete a memorandum detailing		

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	the survey effort and results and submit the memorandum to the project proponent within seven days of survey completion. MM-BIO-3: Avoid burrowing owl nesting where feasible. Prior to any construction activity planned during the fall and winter non-nesting season (September 1 through January 31) or at any time during the construction process, proponents of projects proposed within the Planning Area will retain a qualified wildlife biologist to conduct a preconstruction survey for burrowing owls. Surveys will be conducted at each area of suitable habitat that will be disturbed no more than seven days prior to ground-disturbing activities and will cover all suitable burrowing owl habitat subject to disturbance pursuant to CDFW's Staff Report on Burrowing Owl Mitigation (California Department of Fish and Game, 2012). If any burrowing owls are found within the disturbance area, the project proponent will notify CDFW and will proceed under CDFW direction. If construction is planned to occur during the nesting season (February 1 through August 31), the project proponent will retain a qualified wildlife biologist to conduct a breeding season burrowing owl survey in the year prior to construction. The survey will be conducted to determine if there is a breeding pair within approximately 500 feet of each development footprint, unless the biologist determines that a smaller survey buffer around the construction footprint is warranted based on preexisting background disturbance and conditions. Survey visits will be timed in accordance with CDFW guidelines (California Department of Fish and Game, 2012). This will provide the project team advance notice of nesting owls in the development area and allow ample time to discuss appropriate avoidance measures with CDFW. In addition, preconstruction surveys will be conducted no more than seven days prior to ground disturbance in all areas of the development footprint supporting burrowing owl habitat. If the biologist identifies the		

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	presence of a burrowing owl nest in an area scheduled to be disturbed by construction, a 660-foot no-activity buffer will be established and maintained around the nest while it is active. Surveys and buffer establishment will be performed by qualified wildlife biologists, and buffers will be coordinated with CDFW by contacting the appropriate CDFW personnel, and will be subject to CDFW review and oversight. **MM-BIO-4**: Avoid tricolored blackbird breeding habitat where feasible. If construction activities in or within 300 feet of freshwater emergent wetland habitat occur during the breeding season (February 1 through August 31), the project proponent will retain a qualified biologist to conduct surveys for the presence of a tricolored blackbird nesting colony or nests. If an active nest colony or nest is observed by the qualified biologist, then a no-disturbance buffer of 250 feet will be established until the end of the breeding season or until the nesting colony or nest is determined inactive by the biologist. Nest buffers may be reduced if site-specific conditions reduce the possibility of near-term or longer-term improvements disturbance, as determined by the qualified biologist in coordination with CDFW. **MM-BIO-5**: Avoid western pond turtle where feasible. Prior to the start of construction within western pond turtle habitat (i.e., any undeveloped areas within 400 feet of riverine aquatic habitat, freshwater emergent wetlands, vernal pools, or seasonal wetlands), proponents of proposed projects within the Planning Area shall retain a biologist approved by the CDFW to survey for western pond turtles. Surveys will be conducted at each habitat area no more than seven days prior to the initiation of ground disturbance at that location. If preconstruction surveys identify active nests, the biologist will establish 50-foot no-disturbance buffer zones around each nest using temporary orange construction fencing with a four-inch-tall gap		

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	below the fence. The fencing will be permeable to young turtles and allow them to move away from the nest following hatching. The buffer zones and fencing will remain in place until the biologist has confirmed that the young have left the nest. If non-nesting pond turtles are found in the footprint, the biologist will remove and relocate them to suitable habitat outside the environmental footprint. Relocation sites will be subject to CDFW approval. **MM-BIO-6**: Avoid San Joaquin kit fox and American badger where feasible. Within one year but no less than three months prior initiating construction, proponents of specific projects within the Planning Area will retain qualified biologists to identify potential kit fox and badger dens in the development footprint and surrounding 200 feet. The biologist will prepare a report summarizing the survey observations and results, including maps depicting the locations of potential badger dens and, if possible, occupancy. The report will be submitted to the project proponent and CDFW. Prior to construction, the project proponent will retain qualified biologists to implement preconstruction surveys of previously identified potential kit fox and badger dens to determine if they are natal kit fox or American badger dens no less than 14 days and no more than 30 days before the initiation of construction at each development footprint (e.g., one week ahead of the construction crew for linear components). Construction activities will not occur within 100 feet of a potential den during the natal period (February 1 to September 30). If a known den or natal den is present within the permanent construction footprint or within 200 feet of the construction footprint during the natal period (100-foot buffer during the nonnatal period), the kit fox or badger will be excluded outside of the natal period (from November 1 to January 31). A summary report will be prepared by the biologists and submit to the project proponent and CDFW following completion of all kit fox or badger avoidance and exclusion activities.		

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	MM-BIO-7: Avoid California tiger salamander and California red-legged frog where feasible. Proponents of specific projects within the Planning Area shall retain a USFWS and/or CDFW-approved biologist (as appropriate) to identify and flag (pin flags or 4-foot lath) all suitable aquatic habitat for California tiger salamander and California red-legged frog outside of but adjacent to development footprints and ground-disturbance areas prior to staging, vegetation clearing, grading, or other construction activities. The project proponent or its contractor will protect habitat areas by installing orange exclusion and erosion control fencing at the maximum practicable distance from the work site or, if feasible, at least 500 feet from the aquatic habitat edge, wet or dry, to make it easily visible by construction crews. A qualified biologist will conduct a preconstruction survey each morning before construction activities begin and continue to monitor ground-disturbing construction activities where suitable habitat occurs during all phases of construction to remove any California tiger salamander and California red-legged frogs found in the development footprint. Individual salamanders and frogs will be moved immediately to a relocation site that is a minimum of 330 feet from the construction boundary. The relocation site will be determined in coordination with USFWS and/or CDFW prior to the commencement of construction activities. Construction activities near drainages and wetland complexes identified as potential movement corridors shall take place between July 1 and October 1, when the California tiger salamander and California red-legged frog are least likely to be present in the development area. To discourage California tiger salamander and California red-legged frogs from entering the improvements areas via ditches, the ditches will be		

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	equipped with lightweight, one-way flow gates. These will be designed so that water can easily pass from the construction site to the ditches, but small vertebrates such as the salamander or frog cannot move upstream from ditches to the development area. MM-BIO-8: Avoid Callippe silverspot butterfly where feasible. Prior to construction, proponents of specific projects within the Planning Area will retain a qualified botanist or biologist with experience in identifying Viola pedunculata, the host plant for Callippe silverspot butterfly, to identify and flag (with pin flags or 4-foot lath) any Viola pedunculata individuals during its blooming season (February to April) when the species is readily identifiable in and within 50 feet of the near-term and longer-term improvements that will affect California annual grassland. The locations of Viola pedunculata outside of the ground disturbance area of the near-term or longer-term improvements will be included on grading plans and avoided by construction personnel. The biologist will document the number and density of host plants that are unavoidable in development footprints. This information shall be compiled in a report and submit to USFWS prior to initiation of ground disturbance. The project proponent or its contractor will adhere to the following host plant avoidance measures. • No herbicide application will occur within 100 feet of host plant populations. Spot application to cut stumps, frilled stems, or injection into stems is acceptable. No broadcast herbicide applications will be used. • Cut trees that are removed in the vicinity of host plants will be hand carried rather than dragged to disposal areas. • Avoid or minimize the removal of host plant, Viola pedunculata.		

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	• Avoid work in suitable habitat during the flight and mating season (mid-May to mid-July) to the extent feasible. **MM-BIO-9**: Avoid roosting bats where feasible. If tree removal and trimming cannot be conducted between September 15 and October 30, proponents of projects implemented under the proposed Plan will retain a qualified biologist to examine trees to be removed or trimmed for suitable bat roosting habitat no more than 2 weeks before removal and trimming. High-quality habitat features (large tree cavities, basal hollows, loose or peeling bark, larger snags, palm trees with intact thatch, etc.) will be identified and the area around these features searched for bats and bat signs (e.g., guano, culled insect parts, urine staining, etc.). Mixed willow riparian scrub and stands of mature broadleaf trees should be considered potential habitat for solitary foliage-roosting bat species. Passive monitoring using full spectrum bat detectors may be needed if identification of bat species is required. Survey methods will be discussed with CDFW prior to the start of surveys. Measures to avoid and minimize impacts on sensitive bats species will be determined in coordination with CDFW and may include the following. • Tree removal will be avoided between April 1 and September 15 (the maternity period) to avoid effects on pregnant females and active maternity roosts (whether colonial or solitary). • All tree removal will be conducted between September 15 and October 30, which corresponds to a time period when bats have not yet entered torpor or would be caring for nonvolant (non-flying) young. • Each tree will be removed in pieces rather than felling the entire tree. • If a maternity roost is located, whether solitary or colonial, that roost will remain undisturbed until September 15 or a qualified biologist		

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	has determined the roost is no longer active. • If avoidance of nonmaternity roost trees is not possible, and tree removal or trimming must occur between October 30 and September 15, qualified biologists will monitor tree trimming and removal. If possible, tree trimming and removal should occur in the late afternoon or evening when it is closer to the time that bats would normally arouse. Prior to removal and trimming, each tree will be shaken gently and several minutes should pass before felling trees or limbs to allow bats time to arouse and leave the tree. The biologists will search downed vegetation for dead and injured bats. The presence of dead or injured bats that are species of special concern will be reported to CDFW. The biologist will prepare biological monitoring report, which will be provided to the project proponent and CDFW.		
3.7-2 Implementation of the proposed Plan would not adversely affect riparian habitat and/or other sensitive natural communities in the Planning Area.	**MM-BIO-10:** Avoid and protect riparian habitat during construction. Proponents of specific projects under the proposed Plan will ensure that a qualified resource specialist (i.e., biologist, botanist, or ecologist) will clearly identify riparian habitat to be preserved abutting the development area and outside of the direct construction area with high-visibility construction fencing or markers (e.g., lathe or pin flags) before site preparation. Construction will not encroach upon sensitive natural communities identified by the resource specialist. The resource specialist will use the project's verified wetland delineation, soils data, and land cover data to confirm the location of riparian habitat boundaries based on existing conditions at the time of the avoidance marking. Exclusion fencing or markers will be installed before construction activities are initiated, and the fencing will be maintained throughout the construction period. No construction activity, traffic, equipment, or materials will be permitted in fenced sensitive natural	COL. ZONE 7, USFW, CDFW	TM, C

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	community areas. Exclusion fencing and markers will be removed following completion of construction activities. All conditions imposed by State and federal permits for individual improvements will be clearly identified in the construction plans and specifications and monitored during and after construction to ensure compliance. **MM-BIO-11:** Compensate for loss of riparian habitat. • For direct effects on woody riparian trees that cannot be avoided, proponents of specific projects under the proposed Plan will compensate for the loss of riparian habitat to ensure no net loss of habitat functions and values. Compensation ratios will be based on site-specific information and determined through coordination with the appropriate State and federal agencies during the permitting process. At a minimum, the compensation ratio will be 2:1 (e.g., two acres restored/created/enhanced or credits purchased for every 1 acre removed) for permanent impacts and 1:1 for temporary impacts (where riparian habitat will regenerate to pre-activity character within one year). Compensation may be a combination of offsite restoration or mitigation credits. The project proponent or its contractor will develop a restoration and monitoring plan that describes how riparian habitat will be enhanced or recreated and monitored over at least 5 years, or as determined by the appropriate State and federal agencies. • If the project proponent identifies suitable onsite areas (adjacent to the permanent construction footprint) that are outside the development footprint and chooses to compensate onsite or in the project's vicinity, a revegetation plan will be prepared. The revegetation plan will be developed prior to the removal of existing riparian vegetation and will be conducted onsite or in the near-term		

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	or longer-term improvements vicinity to the extent feasible; however, mitigation site selection will avoid areas where future development or maintenance are likely. The revegetation plan will be prepared by a qualified botanist or restoration specialist with experience in riparian restoration and reviewed by the appropriate agencies. The revegetation plan will specify the planting stock appropriate for each riparian land cover type and each mitigation site, ensuring the use of genetic stock from the corresponding development area by project. The plan will employ the most successful techniques available at the time of planting. Success criteria will be established as part of the plan and will include a minimum of 70 percent revegetation success after three years, 80 percent revegetation success at the end of five years, and 75 percent vegetative coverage after five years. • The project proponent or its contractor will retain a qualified botanist, restoration ecologist, or biologist with experience in riparian restoration to monitor the plantings as necessary for five years. The project proponent or its contractor will be responsible for maintaining the plantings, including managing invasive plants (as defined by the California Invasive Plant Council) and other weeds, and implementing irrigation and plant protection if necessary. The project proponent or its contractor will submit annual monitoring reports to the regulatory agencies issuing permits related to habitat effects, including CDFW, USACE, and USFWS. Replanting will be necessary if success criteria are not met, and replacement plants subsequently will be monitored and maintained to meet the success criteria. The riparian habitat mitigation will be considered successful when the sapling trees established meet the success criteria, the habitat no longer requires substantial active management, and vegetation is arranged in groups that, when mature, replicate the area, natural structure, stratification, and species composition of similar riparian habitats in the region.		

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LARPD Livermore Area Recreation and Park District
BART Bay Area Rapid Transit District
LAVTA Livermore Amador Valley Transit Agency
CDFW California Department of Fish & Wildlife
USFWS United States Fish and Wildlife Service
LVJUSD Livermore Valley Joint Unified School District
LPC Las Positas College
BAAQMD Bay Area Air Quality Management District

Timing of Verification

TM Prior to approval of tentative tract maps
FM Prior to approval of final tract maps
BP Prior to approval of building and/or grading plans
C During construction
PC Post construction/on-going

SUMMARY OF IMPACT	SUMMARY OF MITIGATION MEASURE	AGENCY RESPONSIBLE FOR VERIFICATION	TIMING OF VERIFICATION
3.7-3 Implementation of the proposed Plan would not adversely affect federally protected wetlands and other waters regulated under Section 404 of the Clean Water Act.	**MM-BIO-12:** Avoid and protect wetlands during construction. Proponents of specific projects under the proposed Plan will ensure that a qualified resource specialist (i.e., wetland biologist, ecologist, or soil scientist) will clearly identify wetland areas to be preserved abutting the development area and wetland areas outside of the direct construction area with high-visibility construction fencing or markers (e.g., lathe or pin flags) before site preparation. Construction will not encroach upon jurisdictional wetlands identified by the resource specialist. The resource specialist will use the development footprint and verified wetland delineation to confirm the location of wetland boundaries based on existing conditions at the time of the avoidance marking. Exclusion fencing or markers will be installed before construction activities are initiated, and the fencing will be maintained throughout the construction period. No construction activity, traffic, equipment, or materials will be permitted in fenced wetland areas. Exclusion fencing and markers will be removed following the completion of construction activities. All conditions imposed by the projects' State and federal permits will be implemented as part of the construction, with ultimate enforcement oversight by applicable State and federal agencies. The conditions will be clearly identified in the construction plans and specifications and monitored during and after construction to ensure compliance. **MM-BIO-13**: Compensate for impacts on jurisdictional wetlands and non-wetland waters of the United States (aquatic resources) prior to near-term and longer-term improvements impacts during construction. If projects impact jurisdictional wetlands and non-wetland waters, proponents of these specific projects under the proposed Plan will develop an aquatic resource (wetlands and non-wetland waters of the United States) mitigation plan, subject to approval by the USACE, which will ensure no net	COL. ZONE 7, USFW, CDFW	TM, C

Responsible Agency/Department/Party

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SUMMARY OF IMPACT	SUMMARY OF MITIGATION MEASURE	AGENCY RESPONSIBLE FOR VERIFICATION	TIMING OF VERIFICATION
	loss of wetlands from development impacts. The plan will detail the amount and type of wetlands (based on the projects' verified wetland delineation) that will be compensated for (through preservation, creation, or restoration) for impacts on existing wetlands and non-wetland waters of the United States (aquatic resources), and outline the monitoring and success criteria for the compensation wetlands and non-wetland waters of the United States. Additional enhancement options include fish barrier removal, riparian restoration, floodplain restoration, and streambank layback to improve overall ecologic function and connectivity of wetland and non-wetland waters. Enhancement sites will be located as near the impact location as possible but, in the event that local enhancement opportunities are not available, such activities will occur within the same stream system or watershed to provide improved ecologic function and connectivity of wetlands and non-wetland waters affected by development activities. Monitoring and success criteria applicable to created or restored wetlands will require the following. • At least two surveys by a qualified wetland biologist, botanist, or ecologist per monitoring year. • At least 80 percent of the created or restored features support vegetation consistent with reference feature conditions. • At least 80 percent of the created or restored features support hydrologic regimes similar to reference feature conditions. • A minimum of five consecutive years of monitoring to ensure success criteria are met. • Remedial actions to restore intended ecological function of created or restored features that fail to meet the success criteria for three consecutive years.		

Responsible Agency/Department/Party

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SUMMARY OF IMPACT	SUMMARY OF MITIGATION MEASURE	AGENCY RESPONSIBLE FOR VERIFICATION	TIMING OF VERIFICATION
	Once the plan is approved, the project proponent will implement the aquatic resource compensation measures prior to the initiation of development construction. The project proponent will be responsible for funding compensatory mitigation, monitoring of the created or restored features per the mitigation plan, and any remedial actions necessary. All conditions that are attached to the State and federal permits will be implemented as part of the development project, with ultimate enforcement oversight by applicable State and federal agencies. The conditions will be clearly identified in the construction plans and specifications and monitored during and after construction to ensure compliance.		

Responsible Agency/Department/Party

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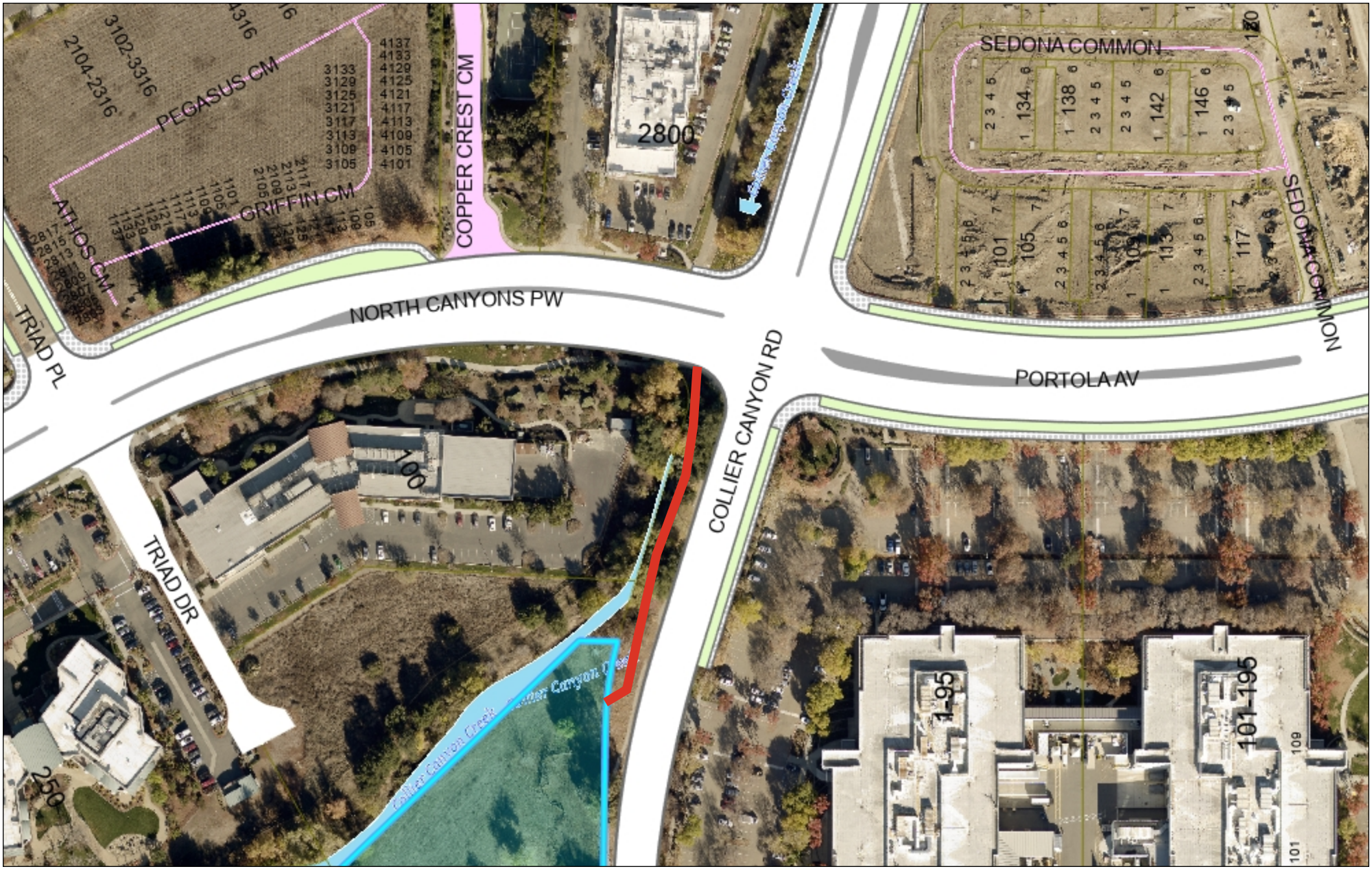
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LIVERMORE
CALIFORNIA

City of Livermore

EXHIBIT B



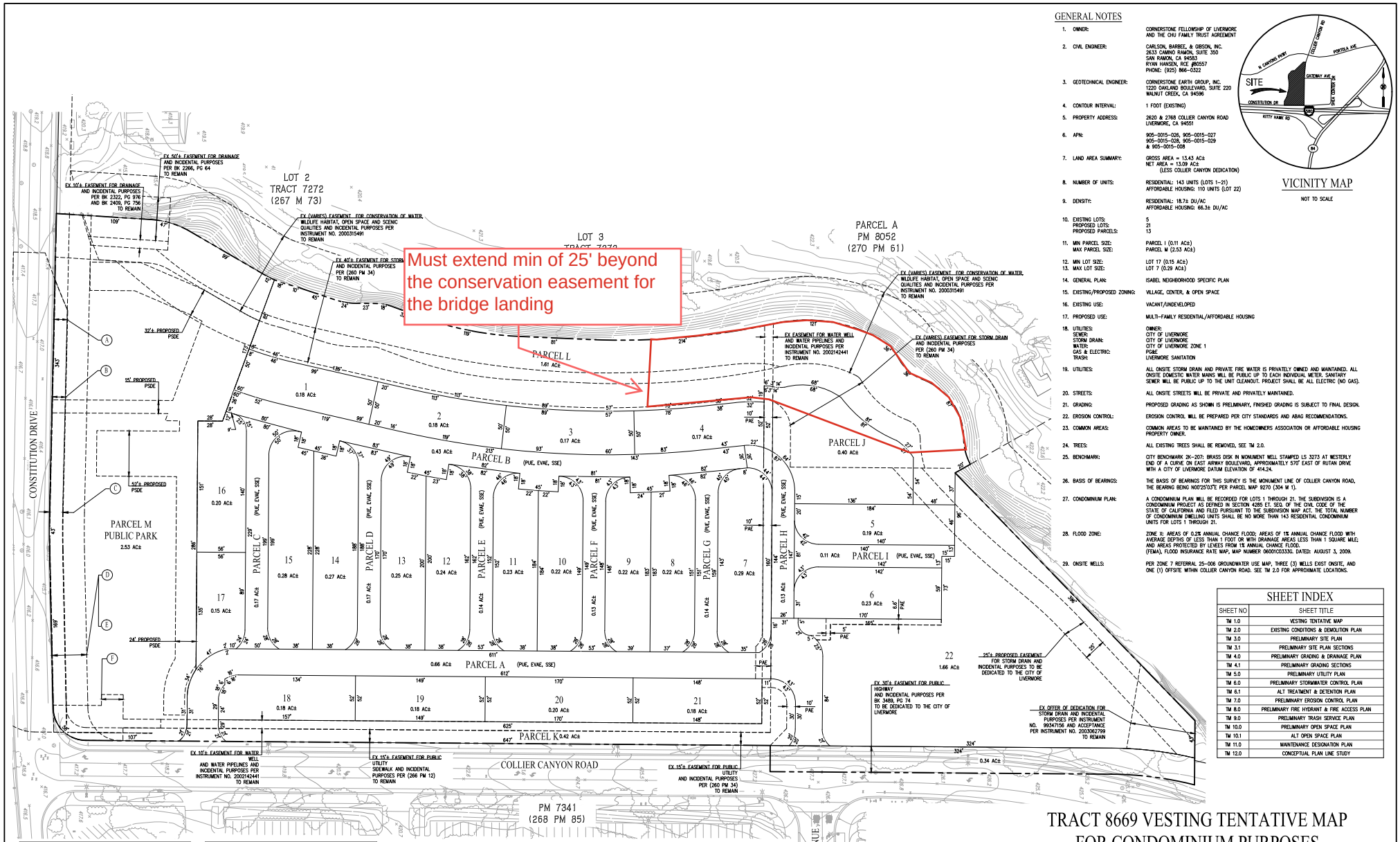
308.6 0 154.28 308.6 Feet

NAD_1983_2011_StatePlane_California_III_FIPS_0403_Ft_US
Livermore IT, GIS Services

Scale:
1: 1,851

This map is based on the City of Livermore GIS Information and reflects the most current information at the time of this printing. The map is intended for reference purposes only and the City and its staff is not responsible for the contents hereon.

EXHIBIT B



GENERAL NOTES

1.	OWNER:	CORNERSTONE FELLOWSHIP OF LIVERMORE AND THE CHU FAMILY TRUST AGREEMENT
2.	CIVIL ENGINEER:	CARLSON, BARBEE, & GIBSON, INC. 2633 CAMINO RAMON, SUITE 350 SAN RAMON, CA 94583 RYAN HANSEN, RCE #80557 PHONE: (925) 866-0322
3.	GEOTECHNICAL ENGINEER:	CORNERSTONE EARTH GROUP, INC. 1220 OAKLAND BOULEVARD, SUITE 220 WALNUT CREEK, CA 94596
4.	CONTOUR INTERVAL:	1 FOOT (EXISTING)
5.	PROPERTY ADDRESS:	2620 & 2768 COLLIER CANYON ROAD LIVERMORE, CA 94551
6.	APN:	905-0015-026, 905-0015-027 905-0015-028, 905-0015-029 & 905-0015-008
7.	LAND AREA SUMMARY:	GROSS AREA = 13.43 AC± NET AREA = 13.09 AC± (LESS COLLIER CANYON DEDICATION)
8.	NUMBER OF UNITS:	RESIDENTIAL: 143 UNITS (LOTS 1-21) AFFORDABLE HOUSING: 110 UNITS (LOT 22)
9.	DENSITY:	RESIDENTIAL: 18.7± DU/AC AFFORDABLE HOUSING: 66.3± DU/AC
10.	EXISTING LOTS: PROPOSED LOTS: PROPOSED PARCELS:	5 21 13
11.	MIN PARCEL SIZE: MAX PARCEL SIZE:	PARCEL I (0.11 AC±) PARCEL M (2.53 AC±)
12. 13.	MIN LOT SIZE: MAX LOT SIZE:	LOT 17 (0.15 AC±) LOT 7 (0.29 AC±)
14.	GENERAL PLAN:	ISABEL NEIGHBORHOOD SPECIFIC PLAN
15.	EXISTING/PROPOSED ZONING:	VILLAGE, CENTER, & OPEN SPACE
16.	EXISTING USE:	VACANT/UNDEVELOPED
17.	PROPOSED USE:	MULTI-FAMILY RESIDENTIAL/AFFORDABLE HOUSING
18.	UTILITIES: SEWER: STORM DRAIN: WATER: GAS & ELECTRIC: TRASH:	OWNER: CITY OF LIVERMORE CITY OF LIVERMORE CITY OF LIVERMORE ZONE 1 PG&E LIVERMORE SANITATION
19.	UTILITIES:	ALL ONSITE STORM DRAIN AND PRIVATE FIRE WATER IS PRIVATELY OWNED AND MAINTAINED. ALL ONSITE DOMESTIC WATER MAINS WILL BE PUBLIC UP TO EACH INDIVIDUAL METER. SANITARY SEWER WILL BE PUBLIC UP TO THE UNIT CLEANOUT. PROJECT SHALL BE ALL ELECTRIC (NO GAS).
20.	STREETS:	ALL ONSITE STREETS WILL BE PRIVATE AND PRIVATELY MAINTAINED.
21.	GRADING:	PROPOSED GRADING AS SHOWN IS PRELIMINARY, FINISHED GRADING IS SUBJECT TO FINAL DESIGN.
22.	EROSION CONTROL:	EROSION CONTROL WILL BE PREPARED PER CITY STANDARDS AND ABAG RECOMMENDATIONS.
23.	COMMON AREAS:	COMMON AREAS TO BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION OR AFFORDABLE HOUSING PROPERTY OWNER.
24.	TREES:	ALL EXISTING TREES SHALL BE REMOVED, SEE TM 2.0.
25.	BENCHMARK:	CITY BENCHMARK 2K-207: BRASS DISK IN MONUMENT WELL STAMPED LS 3273 AT WESTERLY END OF A CURVE ON EAST AIRWAY BOULEVARD, APPROXIMATELY 570' EAST OF RUTAN DRIVE WITH A CITY OF LIVERMORE DATUM ELEVATION OF 414.24.
26.	BASIS OF BEARINGS:	THE BASIS OF BEARINGS FOR THIS SURVEY IS THE MONUMENT LINE OF COLLIER CANYON ROAD, THE BEARING BEING N00°25'01"E PER PARCEL MAP 9270 (304 M 1).
27.	CONDOMINIUM PLAN:	A CONDOMINIUM PLAN WILL BE RECORDED FOR LOTS 1 THROUGH 21. THE SUBDIVISION IS A CONDOMINIUM PROJECT AS DEFINED IN SECTION 4285 ET. SEQ. OF THE CIVIL CODE OF THE STATE OF CALIFORNIA AND FILED PURSUANT TO THE SUBDIVISION MAP ACT. THE TOTAL NUMBER OF CONDOMINIUM DWELLING UNITS SHALL BE NO MORE THAN 143 RESIDENTIAL CONDOMINIUM UNITS FOR LOTS 1 THROUGH 21.
28.	FLOOD ZONE:	ZONE X: AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD. (FEMA), FLOOD INSURANCE RATE MAP, MAP NUMBER 06001C0333G. DATED: AUGUST 3, 2009.
29.	ONSITE WELLS:	PER ZONE 7 REFERRAL 25-006 GROUNDWATER USE MAP, THREE (3) WELLS EXIST ONSITE, AND ONE (1) OFFSITE WITHIN COLLIER CANYON ROAD. SEE TM 2.0 FOR APPROXIMATE LOCATIONS.

SHEET INDEX

SHEET NO	SHEET TITLE
TM 1.0	VESTING TENTATIVE MAP
TM 2.0	EXISTING CONDITIONS & DEMOLITION PLAN
TM 3.0	PRELIMINARY SITE PLAN
TM 3.1	PRELIMINARY SITE PLAN SECTIONS
TM 4.0	PRELIMINARY GRADING & DRAINAGE PLAN
TM 4.1	PRELIMINARY GRADING SECTIONS
TM 5.0	PRELIMINARY UTILITY PLAN
TM 6.0	PRELIMINARY STORMWATER CONTROL PLAN
TM 6.1	ALT TREATMENT & DETENTION PLAN
TM 7.0	PRELIMINARY EROSION CONTROL PLAN
TM 8.0	PRELIMINARY FIRE HYDRANT & FIRE ACCESS PLAN
TM 9.0	PRELIMINARY TRASH SERVICE PLAN
TM 10.0	PRELIMINARY OPEN SPACE PLAN
TM 10.1	ALT OPEN SPACE PLAN
TM 11.0	MAINTENANCE DESIGNATION PLAN
TM 12.0	CONCEPTUAL PLAN LINE STUDY

PUBLIC PARK PARCEL

	EXISTING EASEMENT
A	OFFER OF DEDICATION FOR PUBLIC UTILITIES AND SIDEWALK EASEMENT AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2001099901. TO REMAIN.
B	OFFER OF DEDICATION FOR RECLAIMED WATER LINE EASEMENT AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 99347158. TO REMAIN.
C	EASEMENT FOR PUBLIC UTILITY SIDEWALK AND INCIDENTAL PURPOSES PER (266 PM 12). TO REMAIN.
D	OFFER DEDICATION FOR POTENTIAL EXPANSION OF NEW LANES ON INTERSTATE 580 AND/OR THE INSTALLATION OF BAY AREA RAPID TRANSIT RAIL LINES AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2001295925. TO REMAIN.
E	OFFER OF DEDICATION FOR THE PUBLIC HIGHWAY AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2002142441. TO REMAIN.
F	EASEMENT FOR WATER WELL AND WATER PIPELINES AND INCIDENTAL PURPOSES PER INSTRUMENT NO. 2002142441. TO REMAIN.

LAND USE

LAND	ACRES	PERCENTAGE %
PRIVATE STREET R/W (PARCEL A-I)	2.06	15.34%
PUBLIC STREET DEDICATION	0.34	2.53%
TOWNHOME RESIDENTIAL (LOTS 1-21)	4.42	32.91%
AFFORDABLE RESIDENTIAL (LOT 22)	1.66	12.36%
PRIVATE OPEN SPACE (PARCELS J-L)	2.42	18.02%
PUBLIC PARK (PARCEL M)	2.53	18.84%
TOTAL:	13.43	100.00%

*SEE SHEET TM 10.0 FOR OPEN SPACE CALCULATIONS

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY BOUNDARY
		RIGHT OF WAY BOUNDARY
		LOT/PARCEL LINE
		ADJACENT PROPERTY BOUNDARY
		EASEMENT LINE

ABBREVIATIONS

APN	ASSESSORS PARCEL NUMBER
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT
EX	EXISTING
L	LENGTH
PAE	PUBLIC ACCESS EASEMENT
PSE	PUBLIC SIDEWALK EASEMENT
PSDE	PUBLIC STORM DRAIN EASEMENT
PUE	PUBLIC UTILITY EASEMENT
PWLE	PRIVATE WATER LINE EASEMENT (FIRE MAIN)
R/W	RIGHT OF WAY
SF	SQUARE FEET
SSE	PUBLIC SEWER EASEMENT

TRACT 8669 VESTING TENTATIVE MAP FOR CONDOMINIUM PURPOSES

CORNERSTONE

CITY OF LIVERMORE ALAMEDA COUNTY CALIFORNIA

SCALE: 1" = 40' DATE: NOVEMBER 12, 2024

0 40 80 120

cbg CIVIL ENGINEERS ■ SURVEYORS ■ PLANNERS
SAN RAMON ■ (925) 866-0322
ROSEVILLE ■ (916) 788-4456
WWW.CBANDG.COM

JOB NO.: 3181-000

SHEET NO. TM 1.0 OF 16 SHEETS

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1749

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 7.1**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Marianna Marysheva, City Manager

SUBJECT: Creation of a City Council ad-hoc subcommittee for the upcoming Planning Commissioner interviews.

RECOMMENDED ACTION

Staff recommends that the City Council appoint an ad-hoc subcommittee to create interview questions, review applications, and determine the number of qualified Planning Commission applicants to be interviewed by the full City Council on March 3, 2025.

SUMMARY

The Planning Commission consists of five members who are interviewed and appointed by the City Council. As of March 1, 2025, two seats will be vacant. City staff conducted a recruitment from December 13, 2024, to January 27, 2025. Candidate interviews will take place at the March 3, 2025, Special City Council meeting at 5:00 p.m. Staff recommends that the City Council appoint an ad-hoc subcommittee to select interview questions and, if necessary, review applications to create a list of qualified applicants to interview.

DISCUSSION

The Planning Commission consists of five members who are interviewed and appointed by the City Council. Members are limited to serving two consecutive four-year terms, after which they may be appointed to the Planning Commission following a two-year break in service. Preference is for at least two members to have demonstrated ability in the area of design by virtue of avocation, vocation, talent and interest in design, architecture, landscape architecture, or a related field.

As of March 1, 2025, there will be two vacant seats. The recruitment for these vacancies began December 13, 2024, with advertisements being published in The Independent newspaper, on the City's website, Peach Jar, posters downtown, and distributed across the City's social media platforms. An informational meeting was held on January 21, 2024, and interested applicants were encouraged to attend. The application period closed January 27, 2025, at 5:00 pm. Staff will provide the final number of applicants during the presentation of this item.

Candidate interviews are scheduled for March 3, 2025, at 5:00 pm. Staff recommends the City Council appoint an ad-hoc subcommittee to create the interview questions. In addition, if there are a large number of applications, staff recommends the ad-hoc subcommittee review applications and select up to six candidates to participate in the interview process.

Municipal Code Chapter 2.55 describing the Planning Commission's membership, duties, and responsibilities, is attached for reference.

FISCAL AND ADMINISTRATIVE IMPACTS

No material fiscal or administrative impacts result from creating this ad-hoc subcommittee.

COMMUNITY PILLAR

5: A City That Works

GOAL

2: Engage effectively with the City's advisory bodies

ATTACHMENTS

1. Livermore Municipal Code Chapter 2.55

Prepared by: Debbie Elam
City Clerk

Approved by:

Marianna Marysheva
City Manager

Fiscal Review by:

Tina Olson
Administrative Services Director

ATTACHMENT 1

Chapter 2.55
PLANNING COMMISSION*

Sections:

2.55.010 Members.
2.55.020 Duties and responsibilities.

*Code reviser's note: Ord. 1786 adopts a new Ch. 2.52, Planning Commission, which numerically conflicts with the preexisting Ch. 2.52, Redevelopment Agency. The new chapter has therefore been renumbered as Ch. 2.55.

2.55.010 Members.*

The Planning Commission shall consist of five members, all of whom must be residents of the City of Livermore. Preference is for at least two members to have demonstrated ability in the area of design by virtue of avocation, vocation, talent, and interest in design, architecture, landscape architecture, or a related field. (Ord. 2065 § 1(A), 2018; Ord. 1860 § 3, 2009; Ord. 1786 § 2, 2006)

*At the time of the initial consolidation of the design review committee with the Planning Commission, all members currently serving on the design review committee shall become members of the Planning Commission along with the currently appointed members of the Planning Commission. Temporarily, the maximum number of members of the Planning Commission shall be eight. Members shall serve until they voluntarily resign or are not re-appointed by City Council after their initial new term or reach the new term limits set forth in Exhibit B, attached to Ordinance 1860. As maximum terms expire, no appointments or re-appointments will be made until the Planning Commission consists of five members, at which time the maximum number of members will remain at five.

2.55.020 Duties and responsibilities.

The Planning Commission shall have the powers imposed upon city planning commissions by Section 65000 et seq., incorporated by reference, of the Government Code of the State of California. In addition, the Planning Commission shall have the following duties and responsibilities:

A. Advise the City Council in the adoption and maintenance of a comprehensive general plan for the physical growth and development of the City. Such plan shall reflect the future goals of the City and, after its adoption by the City Council, shall represent the City's policy on matters of physical growth. It shall also serve to guide the general location of future public facilities and improvements, and to aid in the encouragement and regulation of private development;

B. Serve as an advisory body to the City Council on matters related to city growth and development and on such matters as may be requested by the Council;

C. Promote public interest in planning and encourage citizen participation in the formulation of the general plan;

D. Engage in a program of acquainting the public with the problems and alternate solutions relating to the local physical environment;

E. Interpret and implement the development code as approved by the City Council and as required by the development code; and

F. Interpret and implement the design standards and guidelines as approved by the City Council and as required by the development code. (Ord. 2065 § 1(A), 2018; Ord. 1901 § 3 (Exh. A § 4), 2010; Ord. 1860 § 4, 2009; Ord. 1786 § 2, 2006)

ATTACHMENT 1

The Livermore Municipal Code is current through Ordinance 2167, passed October 28, 2024.

Disclaimer: The City Clerk's Office has the official version of the Livermore Municipal Code. Users should contact the City Clerk's Office for ordinances passed subsequent to the ordinance cited above.

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT — ITEM NO. 10.1

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Marianna Marysheva, City Manager

SUBJECT: Supplemental materials received prior to the meeting.

RECOMMENDED ACTION

SUMMARY

These materials were posted online and made available to the public at the same time that they were distributed to the City Council.

3.1	Library Board of Trustees annual update presented by Chair Richard Hunt. Material: PowerPoint Presentation
5.1	Approval of draft minutes - December 9, 2024 Regular Meeting and January 13, 2025 Regular Meeting. Material: Revised Draft Minutes January 13, 2025
5.2	Resolution awarding a construction contract with McGuire and Hester in an amount not-to-exceed $2,434,000 for the construction of the Flagpole Plaza Project 2022-25. Materials: Memo and Site Plan
6.1	Hearing to consider a request for Vesting Tentative Tract Map, Site Plan Design Review and Conditional Use Permit to develop vacant land located at the northwest corner of the Collier Canyon Road and Constitution Drive intersection, with a residential project known as Cornerstone. Materials: PowerPoint Presentation and Public Comment
8.0	Council Committee Reports and Matters Initiated by City Manager, City Attorney, Staff, and Council Members. Material: Council Reports

DISCUSSION

ATTACHMENTS

2025-01-27 Supplemental Materials

Prepared by: Helena Graves
Deputy City Clerk

Approved by:

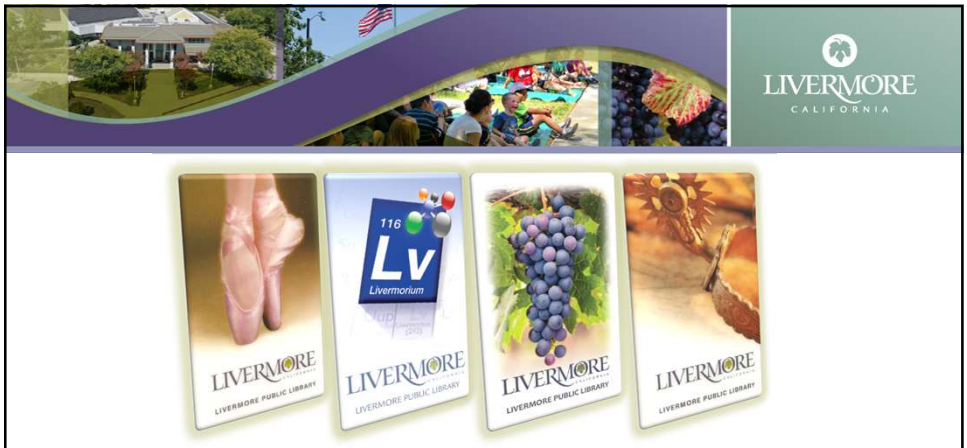


Marianna Marysheva
City Manager

Fiscal Review by:



Tina Olson
Administrative Services Director



Library Board of Trustees
Annual Update to the City Council

January 27, 2025

Presented by Chair Richard Hunt

CITY OF LIVERMORE

1

Introduction and Background

- **"The Library Board of Trustees is an advisory group which recommends policy to City Council. The Board helps set goals and objectives for Library services and programs."**
- Monthly meetings are open to the public. Topics include: strategic planning/action plans, Library/patron policies, new programs and services, statistics, etc.
- The Library Board of Trustees often acts as a sounding board for staff ideas; they also provide suggestions and endorse ideas in support of the Library's strategic objectives

CITY OF LIVERMORE

2

Current Board Members



Mariana Guzzardo	Lainie Pascall	Richard Hunt	Nancy Olavarrieta	Michelle Ornat
Board Member	**Vice Chair**	**Chair**	**Board Member**	**Board Member**
Current Term: 6/1/2022 – 6/1/2025	Current Term: 6/1/2022 – 6/1/2025	Current Term: 6/1/2024 – 6/1/2027	Current Term: 6/1/2023 – 6/1/2026	Current Term: 6/1/2023 – 6/1/2026

CITY OF LIVERMORE

3

Looking Back
2024 Goals

- **Engagement** – Support the Library's efforts to develop more programming and services where residents naturally gather
- **Strategic Plan Support** – Continue to review and consider the objectives set forth by both the City of Livermore and Livermore Public Library strategic plans; propose ways that the Board can support efforts to reach these objectives
- **Annual Events** – Provide suggestions and feedback that the Library can use to strengthen its current annual events and to identify opportunities for potential new events
- **Board Support and Advocacy** – Work with the Library to identify additional ways that Board members can support the Library and advocate on its behalf
- **Policy Review** – Continue to provide the Library ideas to strengthen policies to ensure they are fair, diverse, equitable, and inclusive

*** The Library Board of Trustees adopted a workplan for F/Y 2024/25 in 2024/25Q1*

CITY OF LIVERMORE

4

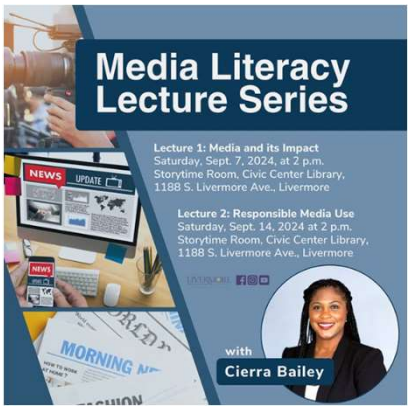
Engagement

The Library has continued to foster new partnerships with community groups and organizations, while also working with our long-term allies to support education, lifelong learning, and access to unique programming and resources.

5

Strategic Plan Support


Diwali Mela

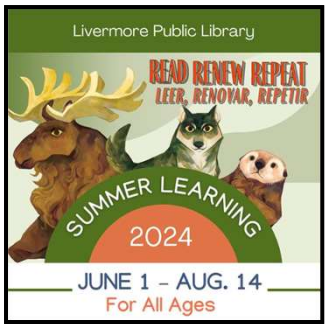



Summer Science at Del Valle

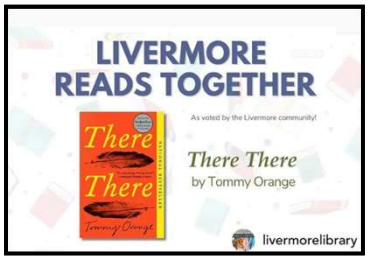
The Library Board of Trustees regularly provides input and feedback in support of proposed and ongoing efforts that are aligned with the Library's strategic plan.

6

Annual Events





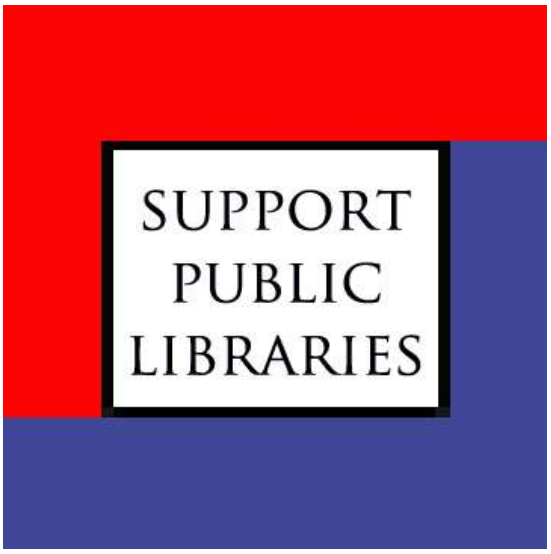


- Summer Learning Program:
  - 5,635 Participants
  - 5,496,107 Minutes Read
- Winter Reading Program
  - 3,336 Participants
  - 2,766,798 Minutes Read

CITY OF LIVERMORE

7

Board Support and Advocacy



- ✓ *Ideas to support continuous growth*
- ✓ *Feedback on DEIB related efforts and offerings*
- ✓ *Shared concerns about upcoming/pending bills in the legislature*
- ✓ *Word of mouth support for Library services, operations, and staff*

CITY OF LIVERMORE

8

Policy Review

LIVERMORE PUBLIC LIBRARY

DISPLAY/EXHIBIT POLICY

I. Policy

The Livermore Public Library ("Library") welcomes the opportunity to allow community groups and organizations to use the various display and exhibit areas of its

Livermore Public Library
Meeting Room Policy

I. Purpose

The purpose of this policy is to guide the public and staff in the use of the Livermore Public Library meeting rooms by community groups. As a department of the City of Livermore (City), the Livermore Public Library (Library) has an obligation to assist the community by providing a

Livermore Public Library
1188 S. Livermore Avenue, Livermore, CA 94550
925-373-5599

LIBRARY MEETING ROOM USE PERMIT

Livermore Public Library meeting rooms are available for use by groups and organizations for public meetings and gatherings, as outlined in the Livermore Public Library Meeting Room Policy, approved by the Director of Library Services.

Requests for meeting room use are accepted through the Library Administration Office only. Upon request for use of library meeting rooms, the following



Gallery



The Beatles "Abbey Road"

CITY OF LIVERMORE

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2024 Library Highlights
Cultural Events and Celebrations



Diwali Mela



Día de los Muertos Celebration



Korean Drumming Event



Herencia Guantanamera: Live the Music



Cultura Poetry & Art Fest

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2024 Library Highlights
Youth Programming and Engagement



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2024 Library Highlights
Diverse, Equitable, and Inclusive Programming



CITY OF LIVERMORE CALIFORNIA

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2024 Library Highlights


PokéSWAP


Yoga Storytime - Rincon


Fungus Among Us


Painting Afternoon with East Bay Parks



Author Talk with John King


College Planning Workshop: Financing College

CITY OF LIVERMORE

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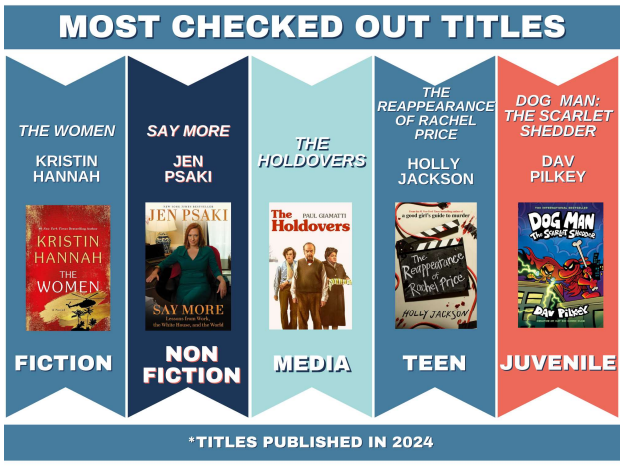
Library Services Update
2024 - By the Numbers



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Library Services Update
2024 - By the Numbers (cont'd)



CITY OF LIVERMORE

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Looking Forward
2024-25 Workplan Focus Areas

- **Library Outreach in the Community –** Take on an active role in the Library's outreach and programs and events – this includes attending and participating in events as a representative of the Board, explaining roles as a member of the Board to community members, and making suggestions on new outreach efforts during meetings
- **Advocacy on Behalf of the Library –** Take on an active role in advocating for the Library
- **Policy Review and Feedback –** Help the Library by providing advisory input that will be used to refine and clarify public policies to ensure they are equitable and inclusive
- **Equity, Diversity, and Inclusion (EDI) –** Gain additional exposure to Library efforts related to EDI in FY 24/25 – In future years, the focus will shift to proposing and supporting ideas, events, and efforts with a specific EDI focus
- **Knowledge of Local and State Laws, and Support of Library Legislation –** Work to gain additional information about laws that pertain to the operation of public libraries and to support library legislation

CITY OF LIVERMORE

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LIVERMORE
CALIFORNIA

CITY COUNCIL
JANUARY 13, 2025

CLOSED SESSION

CALL TO ORDER – The Closed Session of the City Council was called to order by Mayor John Marchand at 6:45 p.m., held in person at 1016 S. Livermore Avenue.

ROLL CALL – Present: Mayor John Marchand, Vice Mayor Evan Branning, Council Members Steven Dunbar and Kristie Wang.

Absent: Council Member Barrientos

OPPORTUNITY FOR THE PUBLIC TO ADDRESS THE CITY COUNCIL REGARDING CLOSED SESSION ITEMS.

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

1. ADJOURN TO CLOSED SESSION

1.1 Conference with Labor Negotiators. To meet with Tina Olson, Administrative Services Director, Kristen Hilton, Human Resources Manager, and Charles Sakai, a partner with the law firm Sloan, Sakai, Yeung and Wong LLP, the City's negotiators pursuant to Government Code section 54957.6, regarding negotiations with the Livermore Police Officers Association.

Council Member Barrientos arrived at 6:53 p.m.

REGULAR MEETING

2. CALL TO ORDER – The meeting of the City Council was called to order by Mayor John Marchand at 7:03 p.m., held in person at 1016 S. Livermore Avenue.

ROLL CALL – Present: Mayor John Marchand, Vice Mayor Evan Branning, Council Members Ben Barrientos, Steven Dunbar, and Kristie Wang.

PLEDGE OF ALLEGIANCE

REPORT OF ACTION TAKEN IN CLOSED SESSION

City Attorney Jason Alcala stated there was no reportable action.

3. PROCLAMATIONS AND PRESENTATIONS – NONE

4. OPEN FORUM

Mayor Marchand opened the public comment period.

David McGuigan provided a comment.

Mayor Marchand called for recess at 7:09 p.m. and reconvened the meeting at 7:21 p.m.

Mayor Marchand reordered the agenda moving Open Forum after item 6.1

5. CONSENT CALENDAR

Mayor Marchand opened the public comment period.

There were no speakers, and the public comment period was closed.

Item 5.4 Reanna Bradford of Livermore Valley Arts was invited to speak.

ON THE MOTION OF COUNCIL MEMBER DUNBAR, SECONDED BY COUNCIL MEMBER WANG AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL APPROVED THE CONSENT CALENDAR.

5.1 Resolution 2025-001 authorizing execution of a first amendment to the agreement with Pangea Environmental Services, Inc. for additional environmental support services for remediation activities associated with Livermore Village Remediation Project 2021-18, increasing the not-to-exceed contract amount from $1,165,000 to $1,716,500 and extending the term to December 31, 2028.

5.2 Resolution 2025-002 authorizing execution of the First Amendment to the Lease Agreement with the Livermore Flying Electrons Radio Control Club, Inc. (LFE) for the Raymond Road Model Aircraft Facility.

5.3 Resolution 2025-003 authorizing a second amendment to the agreement with PPWPM, Inc. to perform power washing services in the downtown corridor and other City-owned or maintained areas, increasing the not-to-exceed agreement amount from $300,000 to $575,000 and extending the term of the agreement through October 31, 2026.

5.4 Resolution 2025-004 accepting the Livermore Valley Arts Annual Report for Fiscal Year 2023-2024.

5.5 Resolution 2025-505 authorizing a supplemental appropriation in the amount of $450,000 in FY 2024-25 and awarding a construction contract with Westside Landscape & Concrete, Inc. in an amount not-to-exceed $335,204 for the construction of the Holmes Street Decorative Fence Replacement West Side from Catalina Drive to El Caminito Project PB200654.

6. PUBLIC HEARINGS

6.1 Hearing to consider a request to change the street name on a portion of East Vallecitos Road. The new name will be East Vineyard Avenue. New street numbers and the new street name will be issued to four parcels for the purpose of improving emergency response time and delivery service to those residents along the portion of the subject street.

Recommendation: The Planning Commission and staff recommended the City Council adopt a resolution approving the renaming of a portion of East Vallecitos Road to East Vineyard Avenue and instructing the Planning Manager to file a Notice of Exemption with the Alameda County Recorder's Office.

Associate Planner Ackerman presented the staff report.

Mayor Marchand opened the public hearing.

There were no speakers, and the hearing was closed.

ON THE MOTION OF COUNCIL MEMBER DUNBAR, SECONDED BY VICE MAYOR BRANNING AND CARRIED ON A 5-0 VOTE, THE CITY COUNCIL ADOPTED THE FOLLOWING RESOLUTIONS:

Resolution 2025-006 finding that the matters initiated by staff (MIS) 24-001 is exempt from the provisions of the California Environmental Quality Act.

Resolution 2025-007 approving Matters Initiated by Staff (MIS) 24-001 for the request to change the street name on a portion of East Vallecitos Road to East Vineyard Avenue.

4. OPEN FORUM

Mayor Marchand re-opened the public comment period.

David McGuigan concluded a comment.

Suzy provided a comment.

Michael Blau provided a comment.

Arthur Barinque provided a comment.

There were no additional speakers, and the public comment period was closed.

7. MATTERS FOR CONSIDERATION - NONE

8. COUNCIL COMMITTEE REPORTS AND MATTERS INITIATED BY CITY MANAGER, CITY ATTORNEY, STAFF AND COUNCIL MEMBERS

THE MAYOR AND CITY COUNCIL MEMBERS PROVIDED A SUMMARY OF RECENTLY ATTENDED EVENTS AND MEETINGS IN ADDITION TO THE INFORMATION PROVIDED IN THE SUPPLEMENTAL PACKET. COUNCIL MEMBERS WHO DID NOT PROVIDE A SUMMARY IN THE SUPPLEMENTAL PACKET ARE INCLUDED BELOW.

Serving Hands Council Members Barrientos, Dunbar, and Wang noted their attendance at the Children's Business Fair held at Altamont Creek School on January 11, 2025.

Council Member Dunbar stated it was an honor representing the community.

Council Member Wang thanked staff for the extensive onboarding.

Council Member Barrientos and Vice Mayor Branning encouraged staff to find ways to help victims of the Southern California fires.

Vice Mayor Branning requested that staff contact Mr. Blau regarding garbage charges.

9. ADJOURNMENT – at 8:01 p.m. to a Regular City Council Meeting on Monday, January 27, 2025 at 7:00 p.m., Civic Center Meeting Hall, City Council Chambers, 1016 S. Livermore Avenue.

APPROVED: _____
JOHN P. MARCHAND, MAYOR

ATTEST: _____
DEBORAH L. ELAM, CITY CLERK

LIVERMORE
CALIFORNIA

INTEROFFICE MEMORANDUM

Date: January 27, 2025

To: Mayor Marchand
City Council Members

From: Brent Smith
Community Development Director

Subject: January 27, 2025, Item 5.2: Resolution awarding a construction contract with McGuire and Hester in an amount not-to-exceed $2,434,000 for the construction of the Flagpole Plaza Project 2022-25.

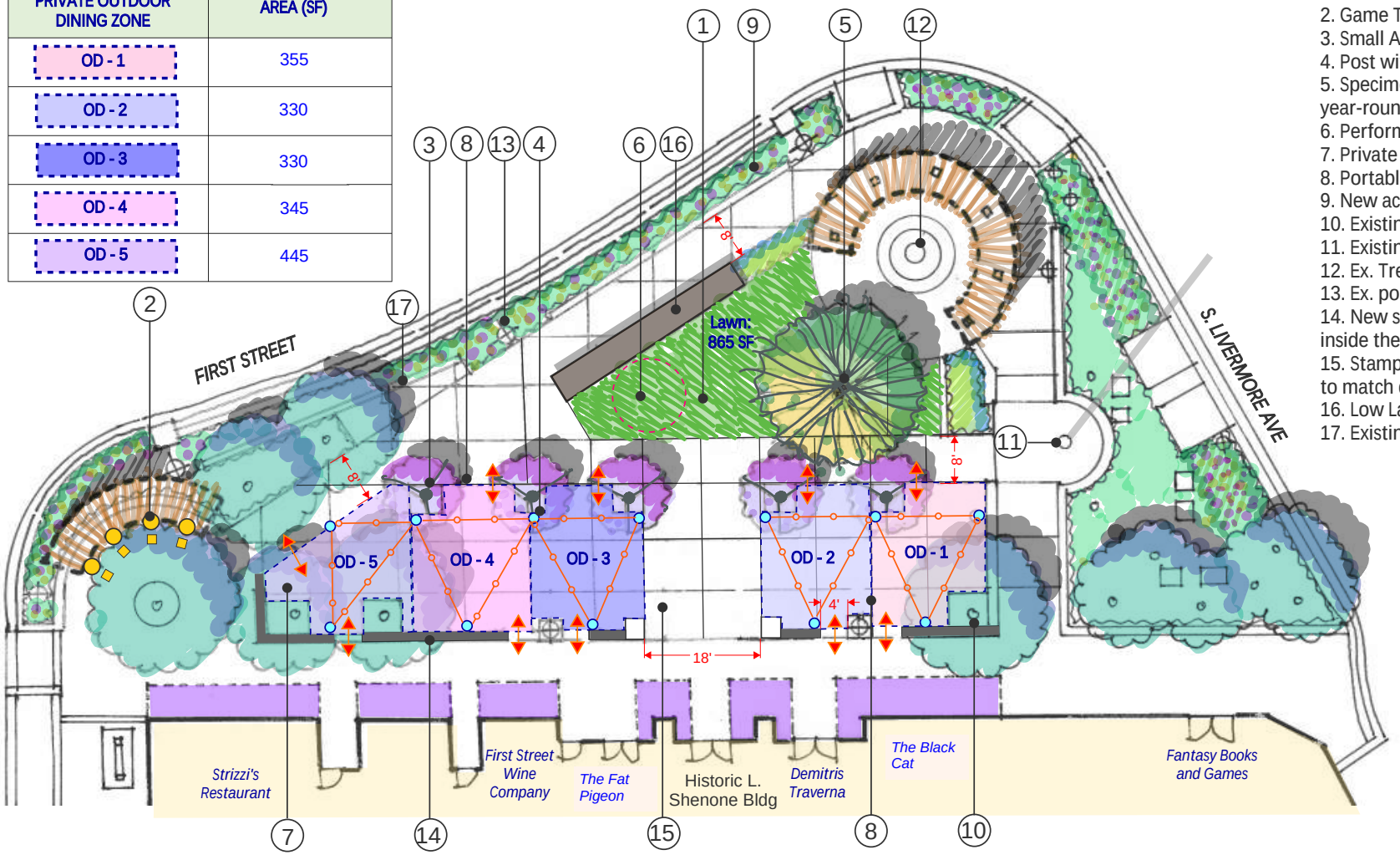
During the meeting this evening, January 27, 2025, Council will consider a resolution awarding a construction contract with McGuire and Hester in an amount not-to-exceed $2,434,000 for the construction of the Flagpole Plaza Project 2022-25.

In response to a question received regarding the project design plans, a copy is being provided with this memo.

Attachment:

1. Flagpole Plaza Site Plan

PRIVATE OUTDOOR DINING ZONE	AREA (SF)
OD - 1	355
OD - 2	330
OD - 3	330
OD - 4	345
OD - 5	445



1. Multi-use Grass Area
2. Game Table/Chairs with Canopy
3. Small Accent Flowering Tree
4. Post with String Lights
5. Specimen Shade Tree - with year-round accent lighting
6. Performance Stage Zone
7. Private Outdoor Dining
8. Portable ABC Fence/Gate
9. New accent perennials
10. Existing Tree to be preserved
11. Existing Flag Pole
12. Ex. Trellis and Fountain
13. Ex. post top light
14. New stone veneered wall - (1) outlet inside the wall at each O.D. zone.
15. Stamped Concrete - Pattern & Color to match downtown
16. Low Landscape Wall
17. Existing stone veneer wall to remain

FLAGPOLE PLAZA SITE PLAN

0 8' 16' 32'



Cornerstone Project

Vesting Tentative Parcel Map (VTTM) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, Conditional Use Permit (CUP) 24-009

City Council

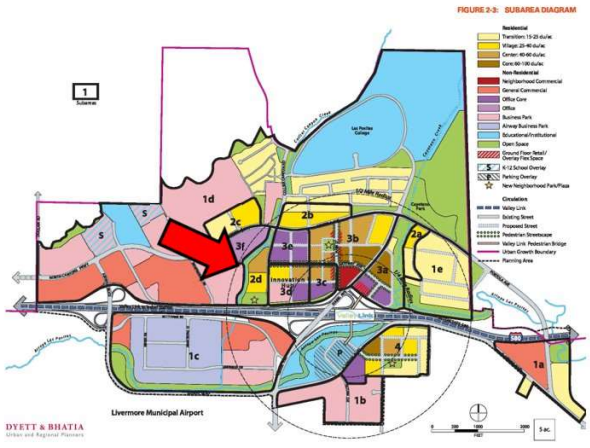
January 27, 2025

Emily LaDue, Assistant Planner

CITY OF LIVERMORE

1

Project and Site Context



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2

Site Plan



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3

Connectivity



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4

Architecture and Design





View from Collier Canyon Road

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5

Architecture and Design







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6

Open Space



CITY OF LIVERMORE

7

Housing and Affordability



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8

State Density Bonus

Concessions:

- Livermore Development Code Section 10.06.050(D)(9): Affordable units to be dispersed throughout the project rather than concentrated in one portion or area of the project. The moderate-income units are dispersed throughout the townhomes. Units that are affordable to households with low-income and below are all in the apartment building.
- LDC Section 10.06.050(D)(4)(c): Affordable units to be concentrated in rental apartment building instead of dispersed between the rental units and the for-sale units.

Waivers:

- Four related to building design
- Seven related to comparability of the affordable units to the market rate units

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Recommendation

Staff recommends the City Council adopt Resolutions:

- Finding that the project is exempt under the California Environmental Quality Act;
- Approving Vesting Tentative Tract Map (VTTM) 8669 – Subdivision (SUB) 22-006, Site Plan Design Review (SPDR) 22-004, and Conditional Use Permit (CUP) 24-009, subject to the attached Conditions of Approval; the requested Density Bonus Waivers and Incentive/Concessions; and the No Net Loss findings; and
- Directing the Planning Manager to file a Notice of Exemption, in accordance with the provisions of the California Environmental Quality Act, subject to project approval.

CITY OF LIVERMORE CALIFORNIA

10

Helena Graves

From: Jean King [redacted]
Sent: Monday, January 27, 2025 11:41 AM
To: City Clerk
Cc: Jean King
Subject: Email Comment for Jan 27, 2025 Council Meeting.

[redacted]

Livermore City Council

Public Hearings
6.1 Cornerstone development

I am sending my comments concerning the Cornerstone development since I am out of town and cannot attend the January 27 Council Meeting.

The Cornerstone development in the Isabel area of north Livermore has several waivers that affect housing in Livermore.

A waiver should not be given so that the Scenic Corridor will be violated with a 70-foot, 5-story housing building.

Also, the City is not following the rules for Inclusionary Housing that sets standards for Affordable housing. Even though there is need for more affordable housing, how far is the City going to lower its housing standards when approving housing?

Inclusionary housing, by its very name, means including affordable units within market rate units, integrating affordable residents with market rate residents and not separating affordable residents in separate housing.

The affordable housing in Cornerstone does not follow those Inclusionary standards. Following the standards, there is to be no difference in the units so that Affordable units are integrated with the Market housing. Eleven waivers were granted. Four waivers are related to building design and view protection, and seven waivers are related to comparability of the affordable for-rent and for-sale units with the for-sale market rate units.

In Cornerstone, the affordable rental housing is isolated by itself in below standard housing.

The rules on minimum gross floor areas as well as requirements that affordable units be comparable in unit mix and type, economically equivalent to a project's market rate homes, and integrated throughout the development are not being implemented.

A waiver was given that the 50 sq. ft. of private open space in the Affordable housing is not required.

For the Affordable units, the size of the units, number of bedrooms and number of bathrooms do not match the Market units.
Proportion of bathrooms per bedrooms for all affordable units is not equal to the Market units.
The Affordable housing does not have equivalent parking and laundry facilities.
The Neighborhood Open Space is not located to maximize the visual and functional benefits as required. It should be centered between the Market and Affordable housing for equal access by both.
Affordable housing massing is not varied, as the Market buildings are, with recessed porches, bay windows and varying planes and setbacks. All that is mentioned for Affordable housing is different painting colors.

There is inequity in the parking for the affordable units.
For Market rate housing, the ratio of parking spaces/units is approximately 2/1.
For the Affordable units, the ratio of parking spaces/units is approximately .5/1, which is the required "minimum". Since when is the "minimum" good enough?
Where are the Affordable residents and guests going to park?

How many waivers is the City going to give that violate our design standards?
The Council should not support this development as it is presently proposed with all the waivers.
Do not "Dublinize" our town?

Thank you.
Jean King

Council Member	Date of Meeting or Event	Committee or Organization	Meeting or Event Type (ex. board meeting or ribbon cutting)	Summary of Meeting or Event
Mayor Marchand	1/15/2025	Livermore Valley Chamber of Commerce	Business mixer	Business mixer hosted by Livermore Valley Arts (LVA).
Mayor Marchand	1/16/2025	Livermore Valley Chamber of Commerce	Ribbon cutting at Bourbon Pear	Presented a Certificate of Welcome.
Mayor Marchand	1/16/2025	City of Livermore	Civic Appreciation Dinner	Acknowledged and thanked the many volunteers who serve on the City's Advisory Bodies.
Mayor Marchand	1/17/2025	Shakespeare Performing Arts Regional Company	Membership event	Interview with a set designer
Mayor Marchand	1/19/2025	California Parachute Club of Livermore	Dedication and presentation	Dedication of history display of America's oldest club for parachuting enthusiasts.
Mayor Marchand	1/21/2025	Livermore Downtown, Inc.	Board meeting	Swore in the new Board of Directors.
Mayor Marchand	1/21/2025	R.I.S.E. at the Bankhead, "Reaching and Inspiring Small Business Entrepreneurs"	Business accelerator program	Provided welcoming and opening comments.
Mayor Marchand	1/22/2025	i-GATE/Daybreak labs	Board of Directors meeting	Approved financials, discussed strategic plan
Mayor Marchand	1/23/2025	Livermore Valley Chamber of Commerce	Ribbon cutting	Welcomed a new business to the downtown, "Tacos Livermore"
Mayor Marchand	1/23/2025	Alameda County Transportation Commission	Commission Meeting	Elected officers and appointed ad hoc committee for Executive Director Recruitment

Council Member	Date of Meeting or Event	Committee or Organization	Meeting or Event Type (ex. board meeting or ribbon cutting)
Vice Mayor Branning	1/23/2025	League of California Cities (CalCities)	Housing, Community, and Economic Development Policy Committee
Vice Mayor Branning	1/21/2025	Livermore Downtown Inc.	Board Meeting

Council Member	Date of Meeting or Event	Committee or Organization	Meeting or Event Type (ex. board meeting or ribbon cutting)	Summary of Meeting or Event
Council Member Dunbar	1/22/2025	League of California Cities (CalCities)	New Councilmember Training	Training for new Councilmembers, involving standard ethics and conflict of interest training, but also advocacy resources with the League of California Cities, social media policies and caselaw, municipal budgeting principles, and networking with new Councilmembers from other cities about their goals and motivations.

Council Member	Date of Meeting or Event	Committee or Organization	Meeting or Event Type (ex. board meeting or ribbon cutting)	Summary of Meeting or Event
Council Member Wang	1/15/2025	Livermore Valley Chamber of Commerce (LVCC)	Monthly Mixer	Bankhead Theater
Council Member Wang	1/16/2025	City of Livermore	Civic Appreciation Dinner	Appreciation dinner to thank our Commission and Committee
Council Member Wang	1/17/2025	SPARC Theater	Annual Member party	
Council Member Wang	1/20/2025	San Ramon Valley Diversity Coalition	Dr. Martin Luther King Jr. Open Mic Celebration	San Ramon City Hall community event
Council Member Wang	1/21/2025	Through The Grapevine (TTG) Tri-Valley "Reaching and Inspiring Small Business Entrepreneurs" R.I.S.E.	Small Business networking and speakers at Bankhead Theater	
Council Member Wang	1/22/2025	California League of Cities	Three-day New Mayor and Council Member Academy in Sacramento	Attended sessions on Ethics, Finance, Governance, Law, Land
Council Member Wang	1/25/2025	Taipei Economic and Cultural Office (TECO)	Taiwanese American community Lunar New Year luncheon	Attended with Mayors and Councilmembers from Milpitas,
Council Member Wang	1/27/2025	Tri-Valley Transportation Council (TVTC)	Board meeting	Regular quarterly Board meeting

LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 10.2**

DATE: January 27, 2025

TO: Honorable Mayor and City Council

FROM: Marianna Marysheva, City Manager

SUBJECT: Supplemental materials received at the meeting.

RECOMMENDED ACTION

SUMMARY

DISCUSSION

ATTACHMENTS

1. Items Received at the Meeting

Prepared by: Helena Graves
Deputy City Clerk

Approved by:

Marianna Marysheva
City Manager

Fiscal Review by:

Tina Olson
Administrative Services Director

January 27th, 2025

Good evening City Council Members:

Livermore Airport (LVK) is now offering UL 94. This is a small step towards eliminating the impacts of leaded aviation pollution on several residential developments, and schools close to the airport. Unfortunately, UL 94 cannot be used in all piston engine aircraft.

Clearly, the most important next step is for Five Rivers Aviation FBO Pete Sandhu to start selling GAMI G100UL --- an unleaded aviation fuel that can be used in any plane. The Livermore City Council has the authority to direct the FBO to offer GAMI G100 UL.

GAMI G100UL is FAA approved, and insurable. It is my understanding that Reed-Hillview airport has received FAA permission to sell GAMI G100UL. Could the city manager or Mr. Spence provide an update on any steps being taken to offer GAMI G100 UL at LVK ?

Hopefully, the new Livermore City Council will show leadership and a willingness to protect our children from leaded aviation fuel pollution and join Reed-Hillview by offering GAMI G100 UL.

The continued sale of leaded aviation fuel poses a significant health risk to minors living and participating in outdoor activities near the airport. .

We urge the new city council to work with FBO Pete Sandhu and GAMI officials to ensure GAMI G100UL is available at LVK as soon as possible.

Sincerely,

Donna Cabanne

Donna Cabanne
Livermore resident, member of Lead free Livermore, Unlead LVK

Received at the Livermore City Council meeting of:
January 27, 2025
Item 4.0

Helena Graves

From: James Lloyd <james@calhdf.org>
Sent: Monday, January 27, 2025 4:19 PM
To: John Marchand; Barrientos, Ben; Evan Branning; Steven Dunbar; Kristie Wang
Cc: City Clerk; City Attorney - Livermore; info Service; Planning Web Email
Subject: CalHDF comment re agenda item 6.1 for 1/27/25 Council meeting
Attachments: Livermore - Cornerstone - HAA Letter.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Exercise Caution: This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Dear Livermore City Council,

The California Housing Defense Fund ("CalHDF") submits the attached public comment regarding agenda item 6.1 for tonight's Council meeting, the "Cornerstone" proposed 253-unit housing development project, including six moderate-income units and 110 lower-income units, located at the at the northwest corner of the Collier Canyon Road and Constitution Drive intersection.

Sincerely,

James M. Lloyd
Director of Planning and Investigations
California Housing Defense Fund
james@calhdf.org

CAL HDF

Jan 27, 2025

City of Livermore
1052 S. Livermore Ave
Livermore, CA 94550

Re: Proposed Housing Development Project "Cornerstone"

By email: mayormarchand@livermoreca.gov; bbarrientos@livermoreca.gov; egbranning@livermoreca.gov; sjdunbar@livermoreca.gov; kwang@livermoreca.gov

Cc: cityclerk@LivermoreCA.gov; cityattorney@livermoreca.gov; info@livermoreCA.gov; planning@livermoreca.gov

Dear Livermore City Council,

The California Housing Defense Fund ("CalHDF") submits this letter to remind the Council of its obligation to abide by all relevant state laws when evaluating the proposed 253-unit housing development project, including six moderate-income units and 110 lower-income units, located at the at the northwest corner of the Collier Canyon Road and Constitution Drive intersection. These laws include the Housing Accountability Act ("HAA"), the Density Bonus Law ("DBL"), and California Environmental Quality Act ("CEQA") guidelines.

The HAA provides the project legal protections. It requires approval of zoning and general plan compliant housing development projects unless findings can be made regarding specific, objective, written health and safety hazards. (Gov. Code, § 65589.5, subd. (d).) The HAA also bars cities from imposing conditions on the approval of such projects that would render the project infeasible unless, again, such written findings are made. (*Ibid.*) As a development with at least two-thirds of its area devoted to residential uses, the project falls within the HAA's ambit, and it complies with local zoning code and the City's general plan. Increased density, concessions, and waivers that a project is entitled to under the DBL (Gov. Code, § 65915) do not render the project noncompliant with the zoning code or general plan, for purposes of the HAA (Gov. Code, § 65589.5, subd. (j)(3)).

CalHDF also writes to emphasize that the DBL offers the proposed development certain protections. The Council must respect these protections. In addition to granting the increase in residential units allowed by the DBL, the Council must not deny the project the proposed

waivers and concessions with respect to the Scenic Corridor height limit for the five-story apartment building and some of the three-story townhomes, the distribution of affordable units throughout the project, comparability of affordable units with market-rate units, and minor deviations from design standards, unless it makes written findings as required by Gov. Code, § 65915, subd. (e)(1) that the waivers would have a specific, adverse impact upon health or safety, and for which there is no feasible method to satisfactorily mitigate or avoid the specific adverse impact. Of note, the DBL specifically allows for a reduction in required accessory parking in addition to the allowable waivers and concessions. (Gov. Code, § 65915, subd. (p).) In addition, the California Court of Appeal has ruled that when an applicant has requested one or more waivers and/or concessions pursuant to the DBL, the City "may not apply any development standard that would physically preclude construction of that project as designed, even if the building includes 'amenities' beyond the bare minimum of building components." (*Bankers Hill 150 v. City of San Diego* (2022) 74 Cal.App.5th 755, 775.)

Additionally, the project is exempt from state environmental review under CEQA Guidelines § 15182 (c), Projects Pursuant to a Specific Plan, and CEQA Guidelines § 15183, Projects Consistent with a Community Plan, General Plan, or Zoning. And recent caselaw from the California Court of Appeal affirms that local governments err, and may be sued, when they improperly refuse to grant a project a CEQA exemption or streamlined CEQA review to which it is entitled. (*Hilltop Group, Inc. v. County of San Diego* (2024) 99 Cal.App.5th 890, 911.)

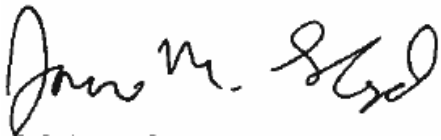
As you are well aware, California remains in the throes of a statewide crisis-level housing shortage. New housing such as this is a public benefit: it will provide badly-needed affordable housing; it will bring new customers to local businesses; and it will reduce displacement of existing residents by reducing competition for existing housing. While no one project will solve the statewide housing crisis, the proposed development is a step in the right direction. CalHDF urges the Council to approve it, consistent with its obligations under state law.

CalHDF is a 501(c)3 non-profit corporation whose mission includes advocating for increased access to housing for Californians at all income levels, including low-income households. You may learn more about CalHDF at www.calhdf.org.

Sincerely,



Dylan Casey
CalHDF Executive Director



James M. Lloyd
CalHDF Director of Planning and Investigations



Creation of a City Council Ad-Hoc Subcommittee for Planning Commissioner Interviews

January 27, 2025

Presented by Debbie Elam, City Clerk

CITY OF LIVERMORE

1

Planning Commission Recruitment

- As of March 1, 2025, there will be two seats vacant.
- City staff conducted a recruitment from December 13, 2024 - January 27, 2025, and received a total of seven applications.
- City staff reached out to the community over social media platforms, The Independent newspaper ads, LVJUSD's Peachjar digital flyers, posters downtown, and the website.

CITY OF LIVERMORE

2

Planning Commission Recruitment

- Candidate interviews are scheduled for March 3, 2025, at 5:00 pm
- Members are limited to serving two consecutive four-year terms, after which they may be appointed to the Planning Commission following a two-year break in service.
- Preference is for at least two members to have demonstrated ability in the area of design by virtue of avocation, vocation, talent and interest in design, architecture, landscape architecture, or a related field.

CITY OF LIVERMORE CALIFORNIA

3

Planning Commission Recruitment

- Staff recommends the City Council appoint an ad-hoc subcommittee to review and select interview questions that will be asked of candidates
- Since only seven applications were received, staff recommends that all candidates be interviewed by the entire City Council on March 3, 2025.

CITY OF LIVERMORE CALIFORNIA

4