

City of Dixon  
Community Development Department



**Lincoln Square**  
**Initial Study/Mitigated Negative Declaration**

**January 2022**

Prepared by



1501 Sports Drive, Suite A, Sacramento, CA 95834

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Appendix E	Preliminary Geotechnical Report: Duffel 13 Dixon Property, Dixon, California
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**INITIAL STUDY**  
**JANUARY 2022**

**A. BACKGROUND**

1. Project Title: Lincoln Square Project
2. Lead Agency Name and Address: City of Dixon  
Community Development Department  
600 East A Street  
Dixon, CA 95620
3. Contact Person and Phone Number: Raffi Boloyan  
Community Development Director  
(707) 678-7000
4. Project Location: Southwest of the North Lincoln Street/  
State Route 113 intersection  
Dixon, CA 95620  
Assessor Parcel Numbers (APNs) 0108-110-450 and -460
5. Project Sponsor's Name and Address: Lewis Land Developers, LLC  
9216 Kiefer Boulevard  
Sacramento, CA 95826
6. Existing General Plan Designation: Corridor Mixed Use (CMU)
7. Existing Zoning Designation: Light Industrial-Professional and Administrative Office-  
Planned Development (ML-PAO-PD)
8. Required City Approvals: Rezone  
Tentative Subdivision Map  
Planned Development  
Design Review
9. Surrounding Land Uses and Setting:

The proposed project is located on a 13.26-acre site, on two parcels immediately southwest of the North Lincoln Street/State Route (SR) 113 intersection, in the City of Dixon, California. The project site is identified by APNs 0108-110-450 and -460. The property has been subject to previous disturbance, having historically been used for irrigated agricultural production. Currently, the site is undeveloped. Existing surrounding land uses include commercial businesses and undeveloped land to the north, across North Lincoln Street; a grocery store to the northeast; heavy commercial uses to the east, across SR 113; light industrial businesses to the south; and single-family residential communities to the southwest, west, and northwest. Interstate 80 (I-80) is located approximately 1,397 feet to the northwest of the project site. The City of Dixon's (City) General Plan designates the site as Corridor Mixed Use (CMU). According to the City's Zoning Map, the site is

zoned Light Industrial, Professional and Administrative Office, and Planned Development (ML-PAO-PD).

10. Project Description Summary:

The Lincoln Square Project (proposed project) consists of a 10.99-acre subdivided residential community, which would be developed into 102 detached, single-family lots. Additionally, the proposed project includes a 2.27-acre commercial lot, which would be developed with a 4,500-square-foot (sf) Rotten Robbie convenience store, a 5,789-sf fueling canopy with eight fuel dispensers, and a 2,613-sf car wash. The commercial lot would be located immediately southwest of the North Lincoln Street/SR 113 intersection. The proposed residences would be constructed to the west, southwest, and south of the commercial lot. The project would also include landscaping elements in both the residential and commercial lots to enhance the visual quality of the project site, including street trees, shrubs, and ground cover. The residential community would provide an open space area by way of a pocket park, which would be located immediately to the west of SR 113 and would serve to capture stormwater runoff. North Lincoln Street and SR 113 would provide access to the project site, with each roadway featuring a single point of entry/exit to both the commercial lot and subdivision.

11. Status of Native American Consultation Pursuant to Public Resources Code Section 21080.3.1:

In compliance with Assembly Bill (AB) 52 (Public Resources Code [PRC] Section 21080.3.1), a project notification letter was distributed to the Cachil Dehe Band of Wintun Indians of the Colusa Indian Community, Cortina Rancheria – Kletsel Dehe Band of Wintun Indians, and the Yocha Dehe Wintun Nation. The letters were distributed on July 7, 2021. The Yocha Dehe Wintun Nation submitted a response on August 4, 2021. Representatives from the City of Dixon and Yocha Dehe Wintun Nation consulted on Wednesday, September 15, 2021. Based on the information subsequently provided, the Yocha Dehe Wintun Nation recommends cultural sensitivity training for any pre-project personnel, on-site tribal and archaeological monitors, and a written monitoring plan. (Mitigation Measures XVIII-1 through XVIII-3)

## **B. SOURCES**

All the technical reports and modeling results used for the purposes of this analysis are available upon request at the City of Dixon Community Development Department, located at 600 East A Street, Dixon, California. The following documents are referenced information sources utilized by this analysis:

1. Bollard Acoustical Consultants, Inc. *Environmental Noise & Vibration Assessment, Lincoln Square Mixed-Use Development, Dixon, California*. October 8, 2021.
2. California Air Resources Board. *Air Quality and Land Use Handbook: A Community Health Perspective* [pg. 32]. Available at: <https://ww3.arb.ca.gov/ch/handbook.pdf>. Accessed June 2021.
3. California Air Resources Board. *The 2017 Climate Change Scoping Plan Update*. Available at: [https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2030sp\\_pp\\_final.pdf](https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2030sp_pp_final.pdf). Accessed June 2021.

4. California Air Resources Board. *User Manual for the Hotspots Analysis and Reporting Program Health Risk Assessment Standalone Tool, Version 2*. March 17, 2015.
5. California Building Standards Commission. *California Green Building Standards Code*. Available at: <https://www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen>. Accessed June 2021.
6. California Department of Conservation. *California Important Farmland Finder*. Available at: <https://maps.conservation.ca.gov/dlrp/ciff/app/>. Accessed June 2021.
7. California Department of Conservation. *Earthquake Zones of Required Investigation*. Available at: <https://maps.conservation.ca.gov/cgs/EQZApp/app/>. Accessed June 2021.
8. California Department of Forestry and Fire Protection. *Solano County: Fire Hazard Severity Zones In SRA*. Available at: [https://osfm.fire.ca.gov/media/6817/fhszs\\_map48.pdf](https://osfm.fire.ca.gov/media/6817/fhszs_map48.pdf). Accessed June 2021.
9. California Department of Toxic Substances Control. *Hazardous Waste and Substances Site List*. Available at: <https://dtsc.ca.gov/dtscs-cortese-list>. Accessed June 2021.
10. California Department of Transportation. *Scenic Highways*. Available at: <https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>. Accessed June 2021.
11. California Energy Commission. *2019 Building Energy Efficiency Standards: Frequently Asked Questions*. Available at: [https://www.energy.ca.gov/sites/default/files/2020-03/Title\\_24\\_2019\\_Building\\_Standards\\_FAQ\\_ada.pdf](https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf). Accessed June 2021.
12. California Energy Commission. *California Energy Commission 2019 Building Energy Efficiency Standards What's New for Nonresidential*. Available at: <https://www.energy.ca.gov/media/3455>. Accessed June 2021.
13. City of Dixon. *2016 Water System Master Plan and Strategic Asset Management Plan*. Available at: <https://www.cityofdixon.us/departments/Water/WaterSystemMasterPlan>. Accessed June 2021.
14. City of Dixon. *Emergency Operation Plan*. Available at: [http://dixon-ca.granicus.com/MetaViewer.php?view\\_id=2&clip\\_id=697&meta\\_id=52675](http://dixon-ca.granicus.com/MetaViewer.php?view_id=2&clip_id=697&meta_id=52675). Accessed June 2021.
15. City of Dixon. *General Plan 2040*. Adopted May 18, 2021.
16. City of Dixon. *General Plan 2040 Final Environmental Impact Report*. Certified May 18, 2021.
17. ENGEO, Inc. *Preliminary Geotechnical Report: Duffel 13 Dixon Property, Dixon, California*. July 24, 2019.
18. Federal Emergency Management Agency. *Flood Insurance Rate Maps 06095C0200F, effective August 2, 2012*. Available at: <https://msc.fema.gov/portal/home>. Accessed June 2021.
19. Governor's Office of Planning and Research. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018.
20. New Wave Industries. *Rotten Robbie PDQ Laser 360 Plus Water Usage Information*. December 20, 2021.
21. Office of Environmental Health Hazard Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments*. February 2015.
22. Placer County Air Pollution Control District. *2017 CEQA Handbook: Chapter 4, Analyzing Operations Criteria Pollutant Emissions*. 2017.
23. Sacramento Metropolitan Air Quality Management District. *CEQA Guide: Chapter 4, Operational Criteria Air Pollutant Emissions*. October 2020.
24. San Joaquin Valley Air Pollution Control District. *Guidance for Air Dispersion Modeling*. August 2006.
25. Tetra Tech, Inc. *Duffel Property: Phase II Investigation*. July 2019.

26. Tetra Tech, Inc. *Phase I Environmental Site Assessment: Duffel Property*. July 2019.
27. Tom Origer & Associates. *Cultural Resources Study for the Lincoln Square Project, Dixon, Solano County, California*. October 5, 2021.
28. Tree Associates. *Arborist Report, Lincoln Square Project, Dixon, California*. June 20, 2021.
29. U.S. Environmental Protection Agency. *Drinking Water Requirements for States and Public Water Systems*. Available at: <https://www.epa.gov/dwreginfo/chemical-contaminant-rules>. Accessed June 2021.
30. U.S. Environmental Protection Agency. *Human Health Issues Related to Pesticides*. Available at: <https://www.epa.gov/pesticide-science-and-assessing-pesticide-risks/human-health-issues-related-pesticides>. Accessed June 2021.
31. U.S. Environmental Protection Agency. *User's Guide for the AMS/EPA Regulatory Model – AERMOD*. September 2004.
32. Urban Crossroads. *Lincoln Square Vehicle Miles Traveled (VMT) Analysis*. October 12, 2021.
33. Weather Spark. *Climate and Average Weather Year Round in Dixon, California*. Available at: <https://weatherspark.com/y/1121/Average-Weather-in-Dixon-California-United-States-Year-Round>. Accessed November 2021.
34. WRA Environmental Consultants. *Memorandum: Dixon Property – Opportunities and Constraints Memorandum*. July 26, 2019.
35. Yolo-Solano Air Quality Management District. *Handbook for Assessing and Mitigating Air Quality Impacts*. July 11, 2007.

### **C. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is “less-than-significant with mitigation” as indicated by the checklist on the following pages.

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> <b>Aesthetics</b>                      | <input type="checkbox"/> <b>Agriculture and Forest Resources</b>    | <input type="checkbox"/> <b>Air Quality</b>                          |
| <input checked="" type="checkbox"/> <b>Biological Resources</b> | <input checked="" type="checkbox"/> <b>Cultural Resources</b>       | <input type="checkbox"/> <b>Energy</b>                               |
| <input checked="" type="checkbox"/> <b>Geology and Soils</b>    | <input checked="" type="checkbox"/> <b>Greenhouse Gas Emissions</b> | <input type="checkbox"/> <b>Hazards and Hazardous Materials</b>      |
| <input type="checkbox"/> <b>Hydrology and Water Quality</b>     | <input type="checkbox"/> <b>Land Use and Planning</b>               | <input type="checkbox"/> <b>Mineral Resources</b>                    |
| <input checked="" type="checkbox"/> <b>Noise</b>                | <input type="checkbox"/> <b>Population and Housing</b>              | <input type="checkbox"/> <b>Public Services</b>                      |
| <input type="checkbox"/> <b>Recreation</b>                      | <input checked="" type="checkbox"/> <b>Transportation</b>           | <input checked="" type="checkbox"/> <b>Tribal Cultural Resources</b> |
| <input type="checkbox"/> <b>Utilities and Service Systems</b>   | <input type="checkbox"/> <b>Wildfire</b>                            | <input type="checkbox"/> <b>Mandatory Findings of Significance</b>   |

## D. DETERMINATION

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On the basis of this initial study:

- 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

Raffi Boloyan, Community Development Director  
Printed Name

\_\_\_\_\_  
Date

City of Dixon  
For

## **E. BACKGROUND AND INTRODUCTION**

This Initial Study/Mitigated Negative Declaration (IS/MND) 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 California Environmental Quality Act (CEQA) checklist in Appendix G of the CEQA Guidelines. Where the analysis provided in this document identifies potentially significant environmental effects of the project, mitigation measures are prescribed. The mitigation measures prescribed for environmental effects described in this IS/MND will be implemented in conjunction with the project, as required by CEQA. The mitigation measures will be incorporated into the proposed project through project conditions of approval. The City will adopt findings and a Mitigation Monitoring/Reporting Program for the project in conjunction with approval of the project.

The City of Dixon adopted the General Plan 2040<sup>1</sup> (General Plan) and certified the General Plan 2040 Environmental Impact Report<sup>2</sup> (General Plan EIR) on May 18, 2021. The General Plan EIR was prepared as a program-level EIR, pursuant to Section 15168 of the CEQA Guidelines (Title 14, California Code of Regulations [CCR], Sections 15000 et seq.).

Per Section 15152 of the CEQA Guidelines, a project that is consistent with the General Plan and zoning of the City may tier from the analysis contained in the General Plan EIR, incorporating by reference the general discussions from the broader EIR. Furthermore, Section 15152(e) provides that “a project requiring a rezone to achieve or maintain conformity with a general plan may be subject to tiering.” The proposed project would be consistent with the current CMU General Plan land use designation for the project site, and the proposed Rezone is intended to establish conformity with the CMU land use designation. Therefore, in accordance with Section 15152 of the CEQA Guidelines, the analysis within this IS/MND may tier off the analysis previously prepared in the General Plan EIR.

## **F. PROJECT DESCRIPTION**

The following section includes a description of the proposed project location and surrounding land uses, as well as a discussion of the project components and necessary discretionary actions.

### **Project Location and Setting**

The proposed project is located on two parcels immediately southwest of the North Lincoln Street/SR 113 intersection in the City limits (see Figure 1 and Figure 2). It should be noted that to the east of SR 113, North Lincoln Street immediately changes in name to Vaughn Road. The project site has been subject to previous disturbance, having historically been used for irrigated agricultural production and graded as part of surrounding development. Currently, the site is undeveloped. Existing surrounding land uses include the Far West Equipment Dealers Association and undeveloped land immediately to the north, across North Lincoln Street; a Country Inn & Suites by Radisson hotel, a Chevron fueling station, and Dutch Bros Coffee restaurant further to the north; a Grocery Outlet store to the northeast; a Tractor Supply Co. store, Les Schwab Tire Center shop, John Taylor Fertilizers retailer, and Shell fueling station to the east, across SR 113; light industrial businesses featuring Dependable Heating & Air Conditioning, Freedom Motors, and Moller International to the south; and single-family residential communities to the southwest, west, and northwest. I-80 is located approximately 1,397 feet to the northwest of the project site. The City’s General Plan designates the site as CMU. According to the City’s Zoning Map, the site’s existing zoning is ML-PAO-PD.

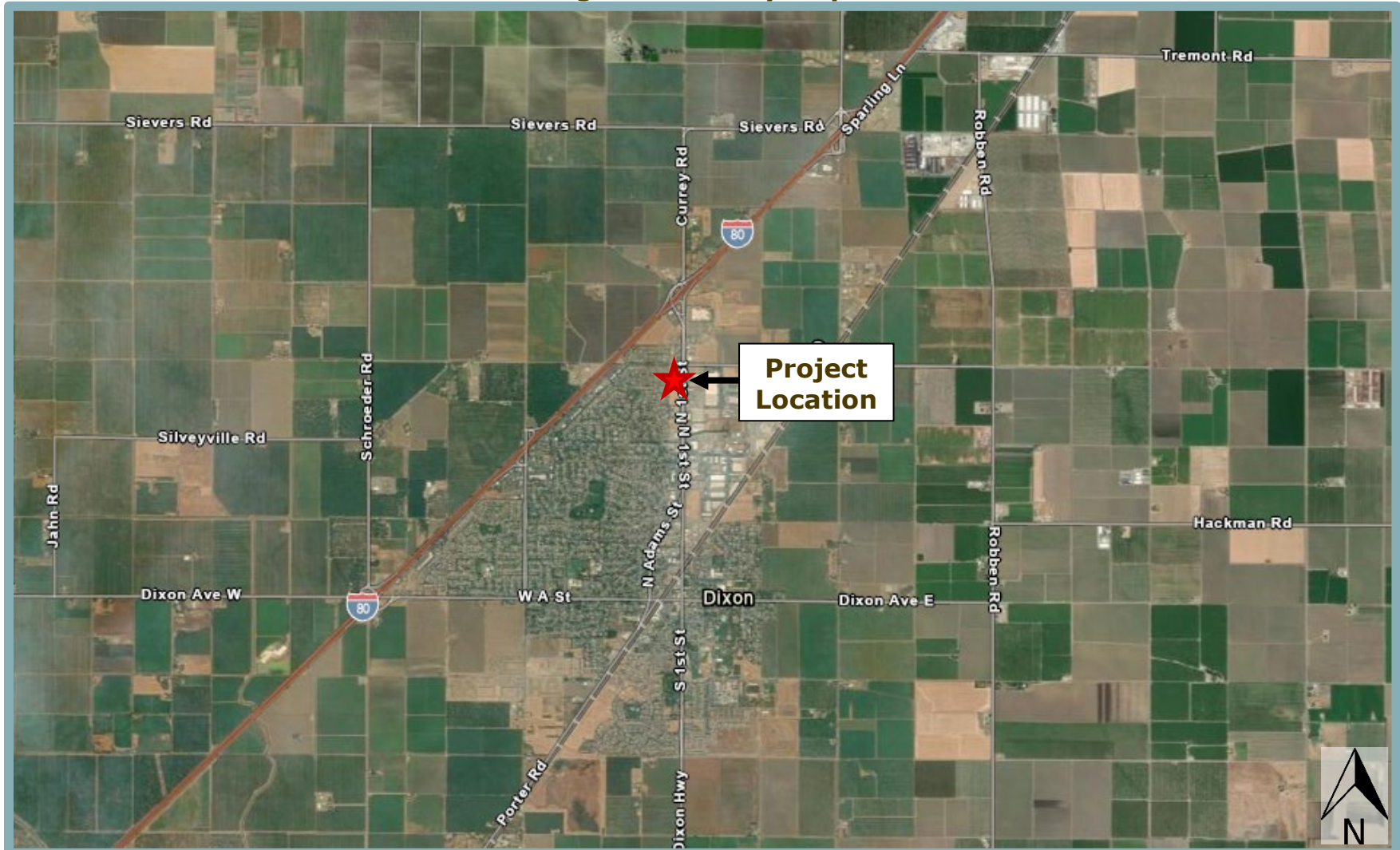
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<sup>1</sup> City of Dixon. *General Plan 2040*. Adopted May 18, 2021.

<sup>2</sup> City of Dixon. *General Plan 2040 Final Environmental Impact Report*. Certified May 18, 2021.



**Figure 1**  
**Regional Vicinity Map**



**Figure 2**  
**Project Location Map**



## **Project Components**

The proposed project consists of a 10.99-acre subdivided residential community and a 2.27-acre commercial lot. The commercial lot would be located immediately southwest of the North Lincoln Street/SR 113 intersection. The proposed residences would be constructed to the west, southwest, and south of the commercial lot. The project would additionally include associated circulation, utility, and landscaping improvements in both the residential community and commercial lot. The project would require a Rezone, Tentative Subdivision Map, Planned Development, and Design Review.

## **Rezone**

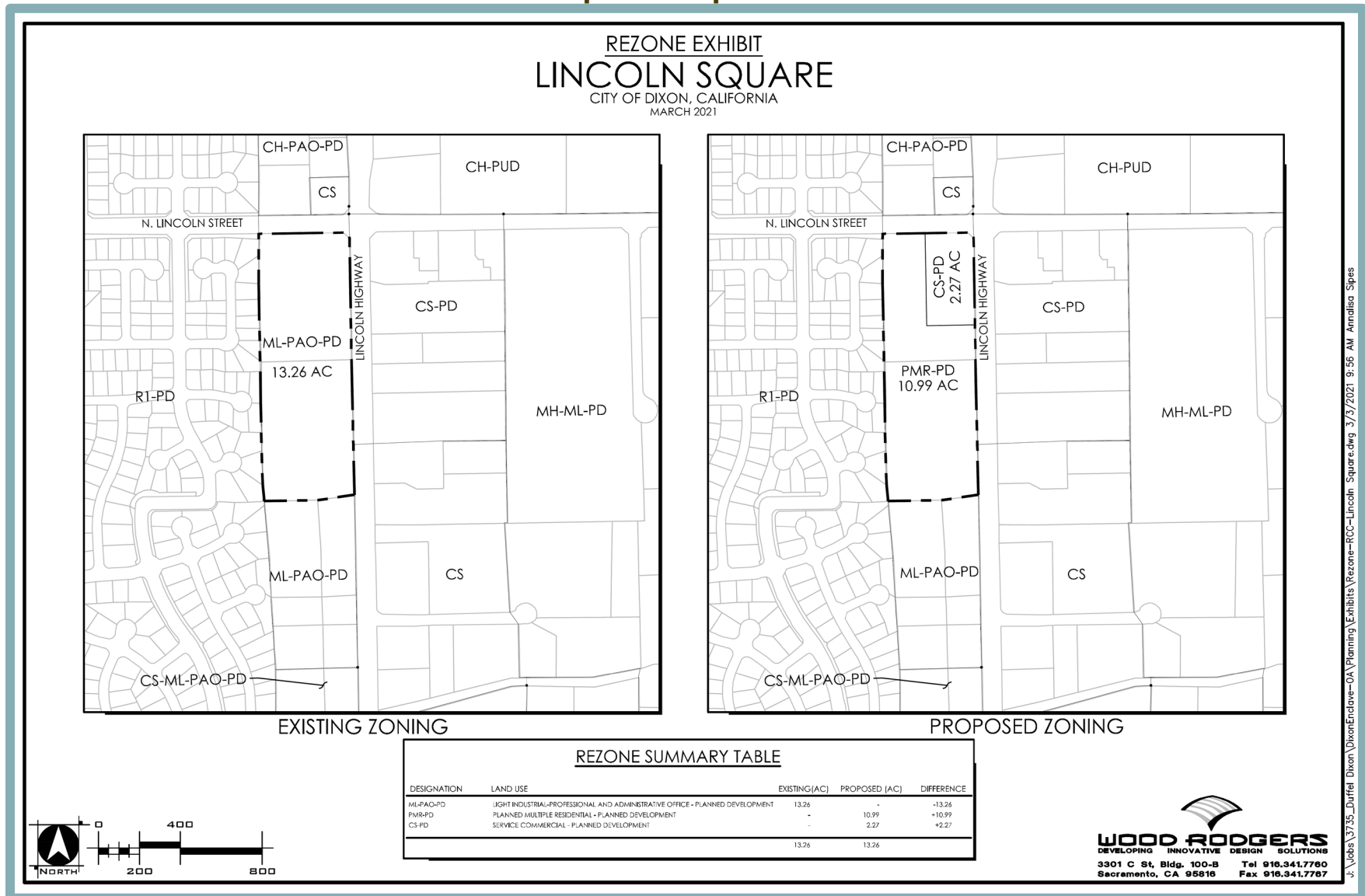
The proposed project would include a Rezone to modify the project site's existing zoning designation of ML-PAO-PD to Planned Multiple Residential-PD (PMR-PD) and Service Commercial-PD (CS-PD) (see Figure 3). The Rezone would allow for uses consistent with the proposed project. The PMR and CS zoning districts are base City zoning districts, which contain requirements pertaining to permitted uses and conditional uses, as well as various performance standards; however, the PD overlay district would allow for greater flexibility in the design of the proposed project than would be possible through strict application of PMR and CS zoning requirements set forth by the City's Zoning Ordinance.

Permitted uses in the proposed PMR-PD zone would include, but would not be limited to, single-family dwellings, home occupations in accordance with the regulations set forth in Chapter 18.30 of the City's Municipal Code, and accessory structures located on the same site with a permitted or conditional use. The PMR-PD zone is intended to achieve the following purposes:

- a. To implement the land use and housing elements of the Dixon General Plan.
- b. To reserve appropriately located areas for family living at a reasonable range of population densities consistent with sound standards of public health and safety.
- c. To ensure adequate light, air, privacy and open space for each dwelling.
- d. To protect one (1) family dwellings from the congestion and lack of privacy associated with multiple-family dwellings.
- e. To minimize traffic congestion and to avoid the overloading of utilities by preventing the construction of buildings of excessive size in relation to the land around them.
- f. To provide necessary space for off-street parking of automobiles.
- g. To protect residential properties from the hazards, noise, and congestion created by commercial and industrial traffic.
- h. To protect residential properties from noise, illumination, unsightliness, odors, dust, dirt, smoke, vibration, heat, glare, and other objectionable influences.
- i. To protect residential properties from fire, explosion, noxious fumes and other hazards.

Permitted uses in the proposed CS-PD zone would include, but would not be limited to, gasoline stations with convenience markets over 500 sf; automobile washing, including the use of mechanical conveyors, blowers, and steam cleaning; service stations; and parking lots improved in conformity with the standards set forth in Chapter 18.27 of the Municipal Code. The purpose of the CS-PD zone is to encourage certain commercial and light manufacturing uses, which are generally incompatible with retail and highway commercial uses, but perform needed storage and service functions.

**Figure 3  
Lincoln Square Proposed Rezone**



With respect to the project site's land use designation, the CMU designation is intended to foster a mix of retail and commercial uses, supported by housing. Mixed use can be vertical and/or horizontal. The CMU designation allows a residential density of 12 to 28 dwelling units per acre (du/ac). As such, the proposed PMR-PD and CS-PD zoning districts would be consistent with the site's land use designation, as the proposed project would result in a residential density of 12 du/ac and the proposed commercial use would serve to complement the newly created residential community, as well as existing single-family residences in the project vicinity.

### **Tentative Subdivision Map**

The proposed project includes submittal of a Tentative Subdivision Map to the City, in accordance with Section 17.03.020 of the Municipal Code. As set forth therein, a tentative map and a final map is required for all divisions of land into five or more parcels. As shown on the Tentative Subdivision Map prepared for the project (see Figure 4), the proposed project would include a subdivided residential community consisting of 102 detached, single-family lots, as well as a commercial lot.

### Single-Family Residential Units

The single-family residential lots would generally range in lot size from 2,814 sf to 3,715 sf; although, Lots 10 and 11 in the southwest corner of the site would measure 4,059 sf and 6,046 sf, respectively. The proposed residential units would all be two-story structures and would be designed according to three different house plans (see Figure 5 and Figure 6). The proposed project would include 34 Plan 1 units, 35 Plan 2 units, and 33 Plan 3 units (see Figure 7).

Plan 1 would measure approximately 2,007 sf and include 706 sf of private green space. Plan 1 would also include a foyer area on the first floor, which would not be included in Plan 2 or Plan 3. Plan 2 would measure approximately 2,062 sf and include 711 sf of private green space. Plan 3 would be approximately 2,117 sf, with 710 sf of private green space. Both Plan 2 and Plan 3 would also include a bonus den area on the second floor, which would not be offered as part of Plan 1.

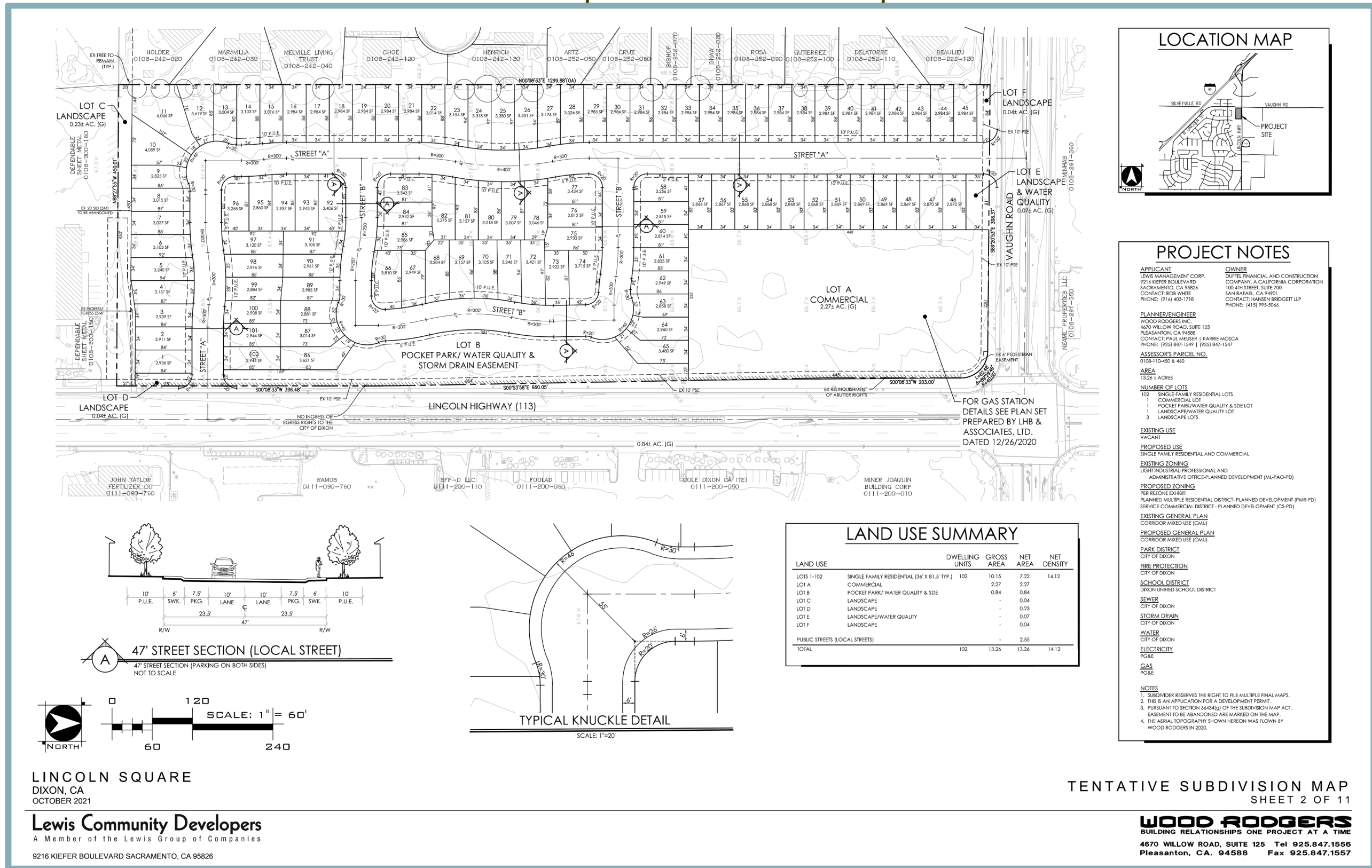
All of the plans would be designed not to exceed 30 feet in height. Each layout would include four bedrooms, three bathrooms, a two-car garage, and private green space in the form of a backyard. The driveways for each lot would be approximately 306 sf. The plans would all be generally similar, with the first floor of each plan consisting of a kitchen, living room, dining area, bedroom, and bathroom, and the second floor featuring three bedrooms and two bathrooms. The second stories of each residence would be shorter in length than the first floors, which would ensure that units do not create a wall effect with rear-yard neighbors.

### Commercial Lot

The commercial lot would be developed as a fueling station and would include a 4,500-sf Rotten Robbie-branded convenience store, a 5,789-sf fueling canopy with eight fuel dispensers, and a 2,613-sf car wash (see Figure 8). All of the on-site structures would be designed consistent with Section 18.12.080 of the City's Municipal Code, which requires that structures do not exceed 40 feet in height.

The convenience store would be located in the northwest portion of the lot, with the building designed at a height of approximately 21.5 feet. A total of 46 parking spaces would be provided to the north, east, and south of the building. The fueling canopy would be implemented to the east of convenience store and would be designed at a height of approximately 19.5 feet. The gas station and convenience are assumed to operate 24 hours a day.

**Figure 4**  
**Lincoln Square Tentative Subdivision Map**



LINCOLN SQUARE  
DIXON, CA  
OCTOBER 2021

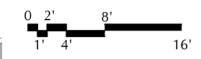
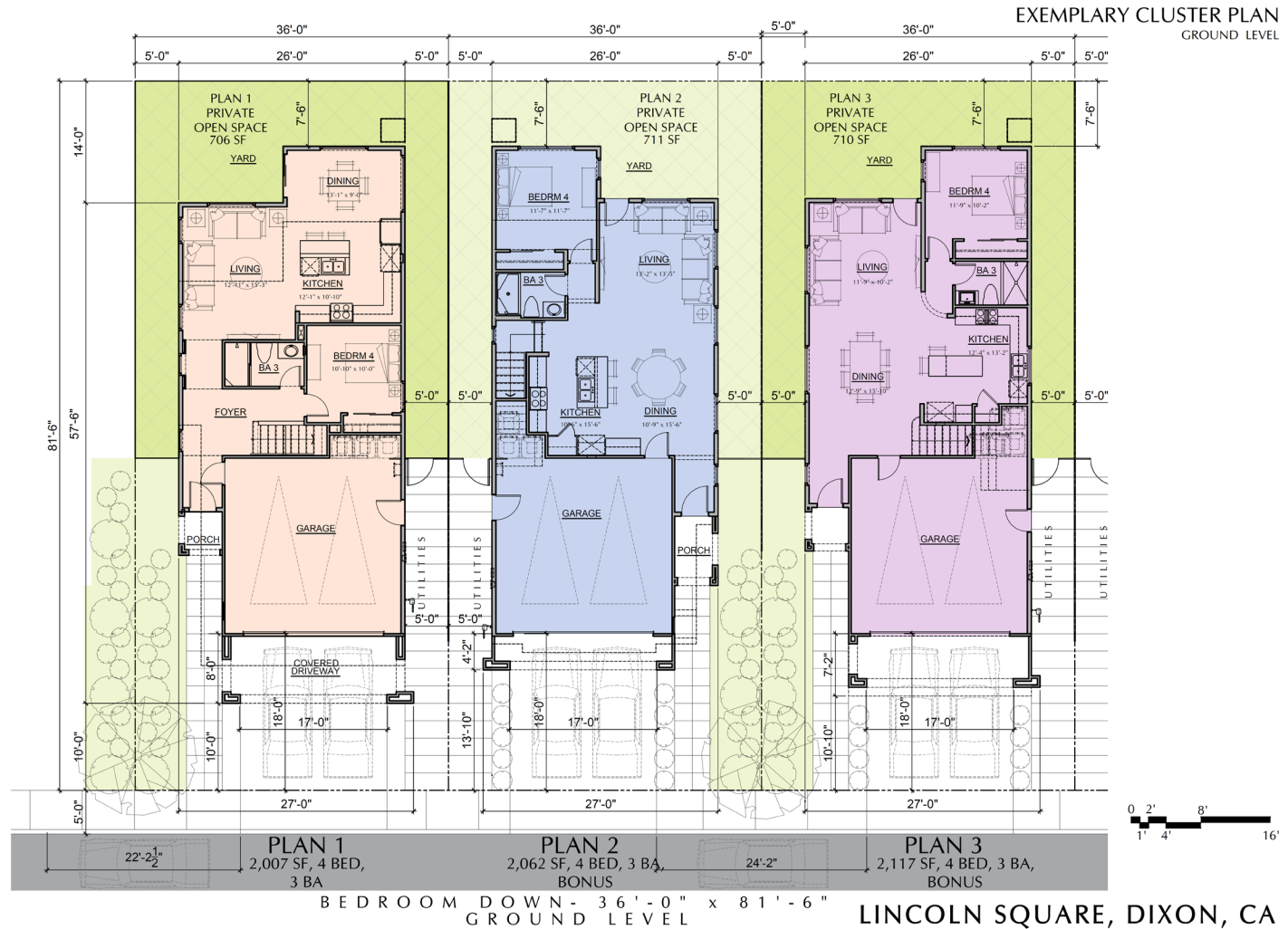
**Lewis Community Developers**  
A Member of the Lewis Group of Companies

9216 KIEFER BOULEVARD SACRAMENTO, CA 95826

TENTATIVE SUBDIVISION MAP  
SHEET 2 OF 11

**WOOD RODGERS**  
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME  
4670 WILLOW ROAD, SUITE 125 Tel 925.847.1556  
Pleasanton, CA. 94588 Fax 925.847.1557

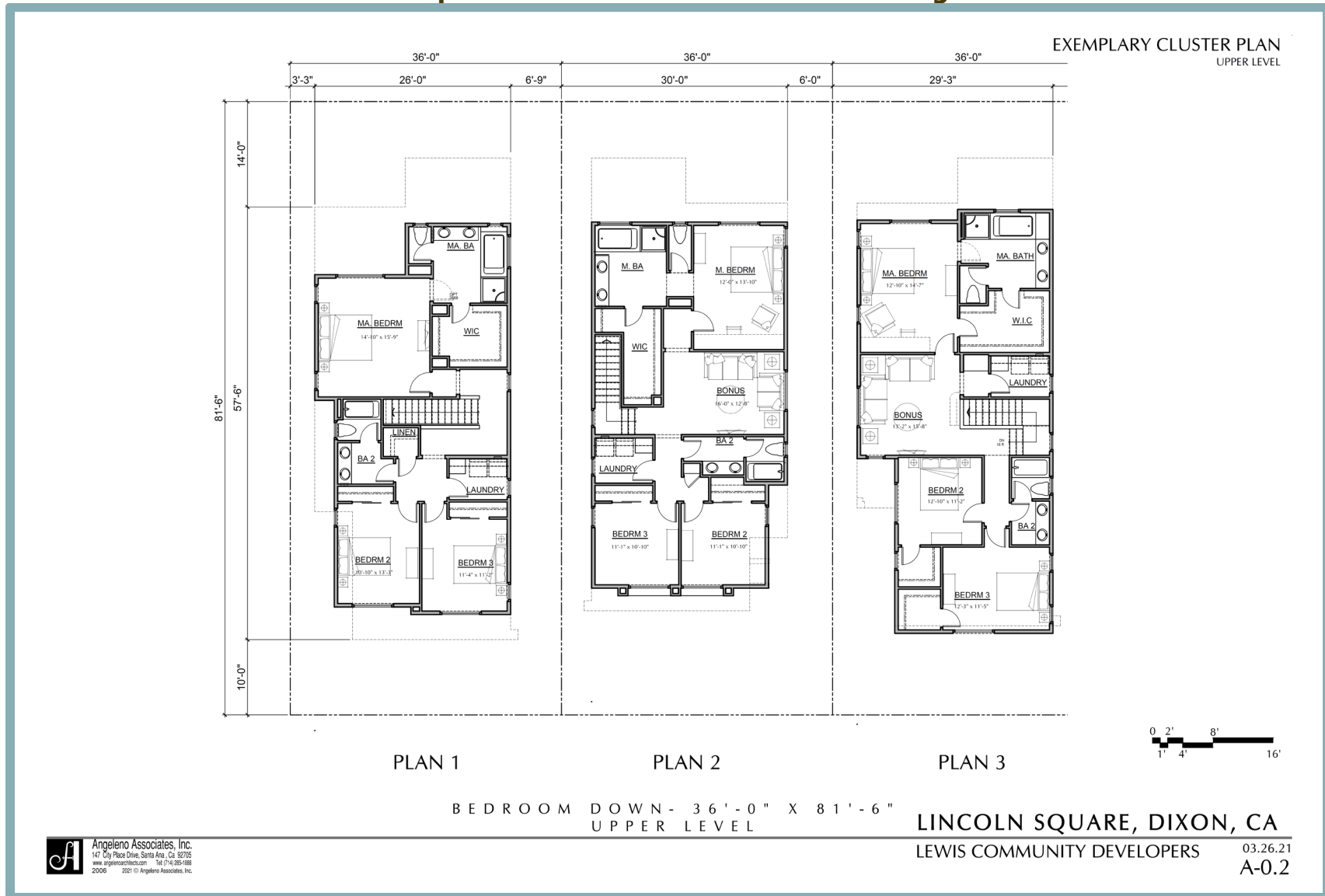
**Figure 5**  
**Lincoln Square Residences First Floor Design Plans**



**A** Angeleno Associates, Inc.  
147 City Place Drive, Santa Ana, Ca 92705  
www.angelenoassociates.com Tel: (714) 266-1888  
2006 © 2021 © Angeleno Associates, Inc.

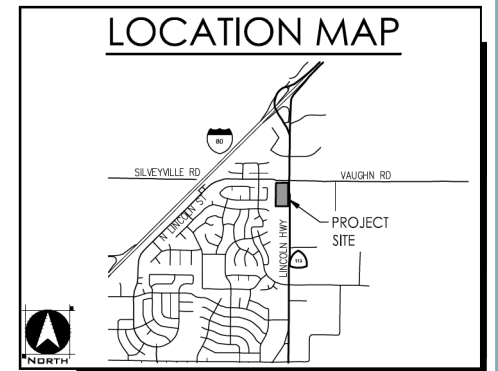
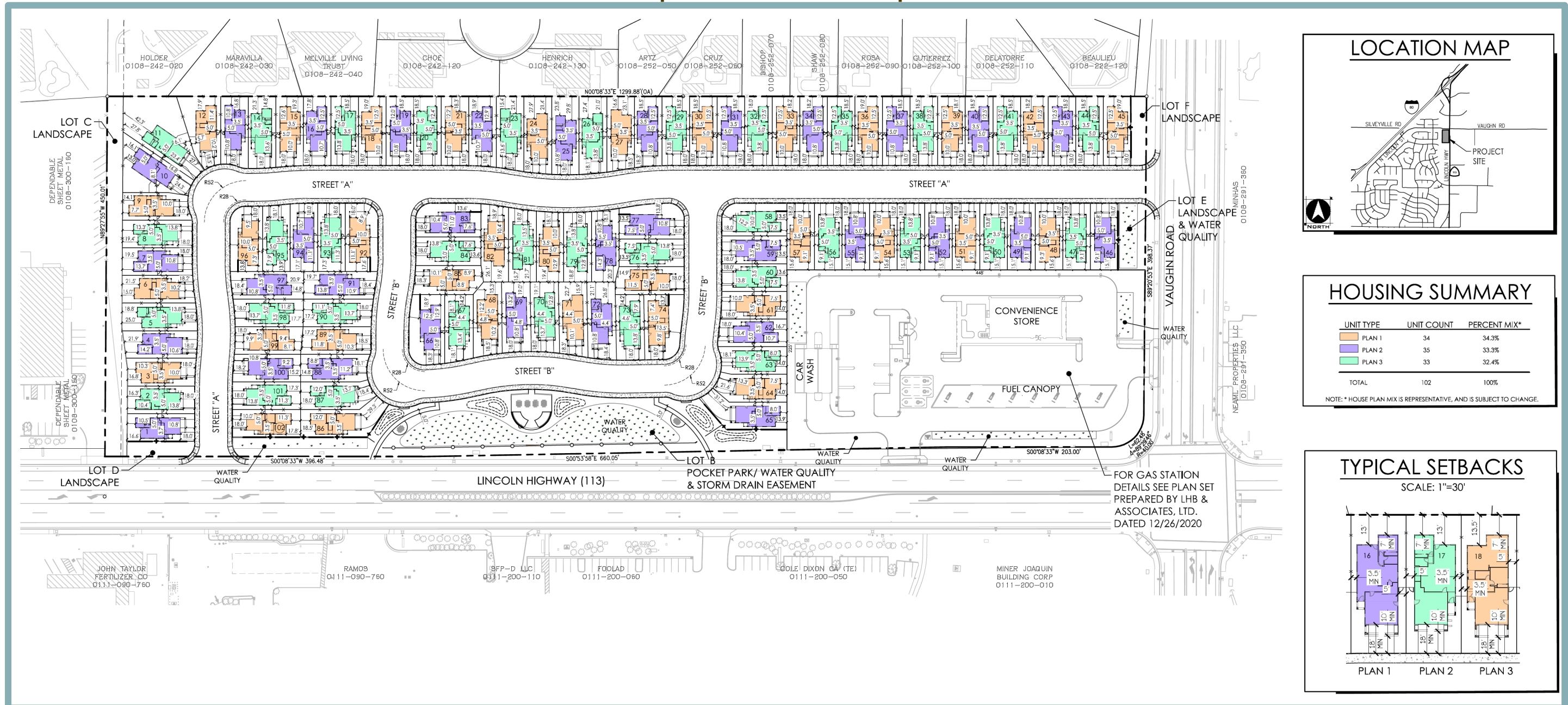
**LINCOLN SQUARE, DIXON, CA**  
LEWIS COMMUNITY DEVELOPERS 03.26.21  
A-0.1

**Figure 6**  
**Lincoln Square Residences Second Floor Design Plans**





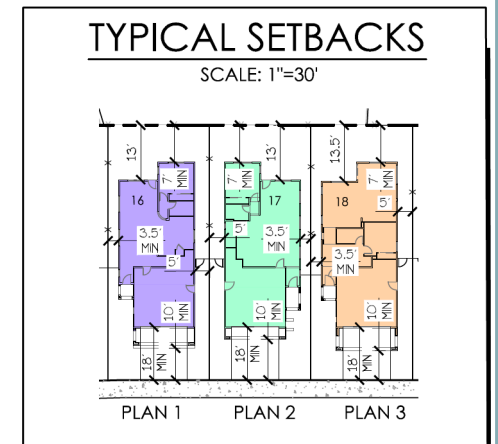
**Figure 7**  
**Lincoln Square Residential Development Plan**



### HOUSING SUMMARY

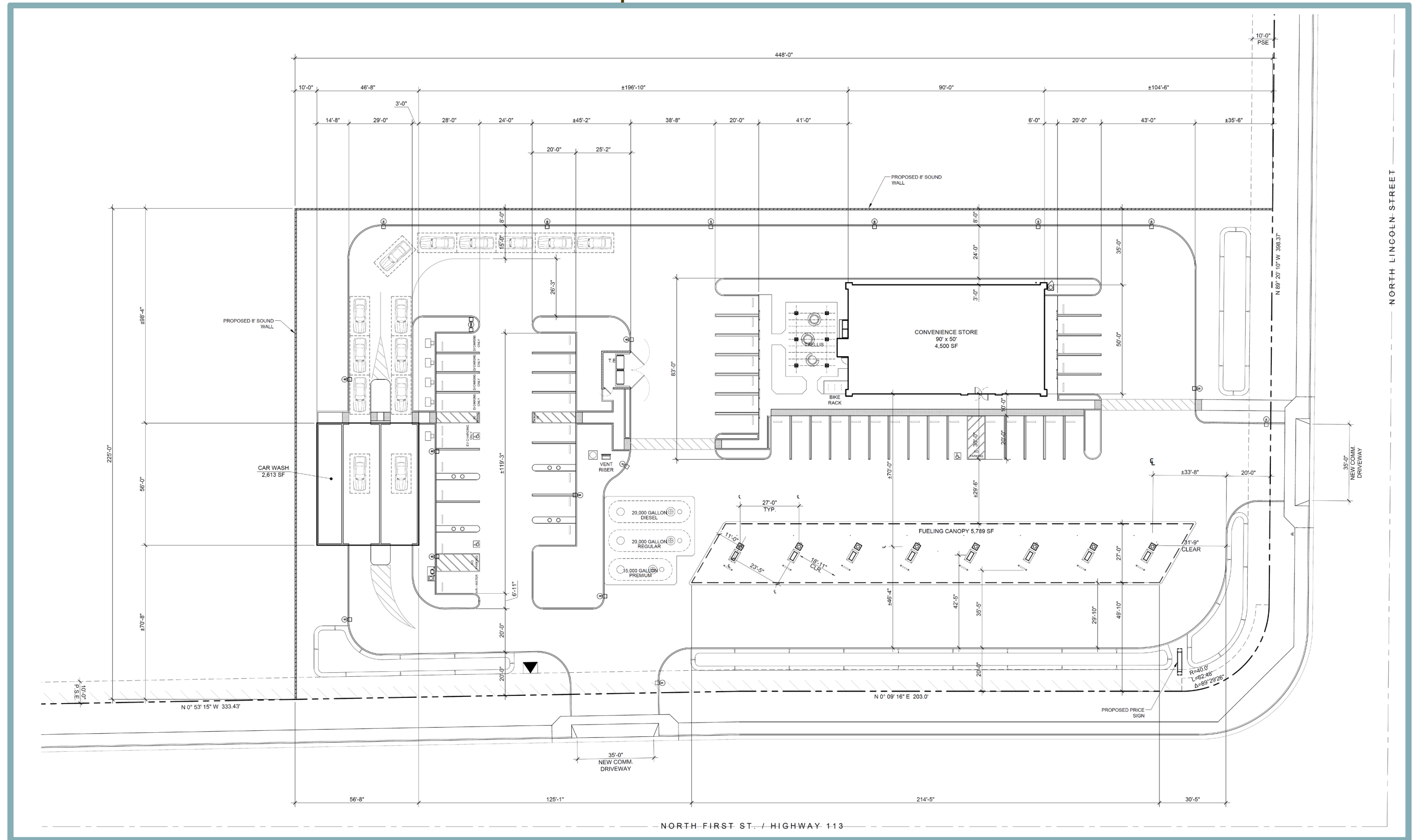
UNIT TYPE	UNIT COUNT	PERCENT MIX*
PLAN 1	34	34.3%
PLAN 2	35	33.3%
PLAN 3	33	32.4%
<b>TOTAL</b>	<b>102</b>	<b>100%</b>

NOTE: \* HOUSE PLAN MIX IS REPRESENTATIVE, AND IS SUBJECT TO CHANGE.



FOR GAS STATION  
DETAILS SEE PLAN SET  
PREPARED BY LHB &  
ASSOCIATES, LTD.  
DATED 12/26/2020

**Figure 8**  
**Lincoln Square Rotten Robbie Site Plan**



The car wash would be located in the southern portion of the lot and would be designed at a height of 14 feet. The car wash would be able to accommodate two vehicles at a time. Vehicles waiting to enter the car wash would be provided queue space within the southwest corner of the commercial lot. According to the project applicant, the equipment selected for the car wash component includes a 3-Motor Whisper Package drying assembly manufactured by International Drying Corporation. The car wash is assumed to operate from 6:00 AM to 11:00 PM.

In addition to the buildings, a proposed price sign reader board to display fuel prices would be located within the northeast corner of the lot. The price sign reader board would be designed at a height of nearly 10 feet. An air/water machine would be located within the parking area located immediately north of the car wash.

Chapter 18.33 of the City's Municipal Code sets forth the City's screening and landscaping regulations. The purpose of such requirements includes, but is not limited to, the conservation and protection of property and the abatement or attenuation of noise. Section 18.33.030 of the Municipal Code requires screening in all commercial zoning districts along all boundaries where the site abuts residential districts, except for such boundaries that abut streets. Consistent with the foregoing requirement, an eight-foot sound wall is proposed along the southern and western property lines of the commercial lot in order to shield the nearest proposed residences from noise generated by the project's commercial operations.

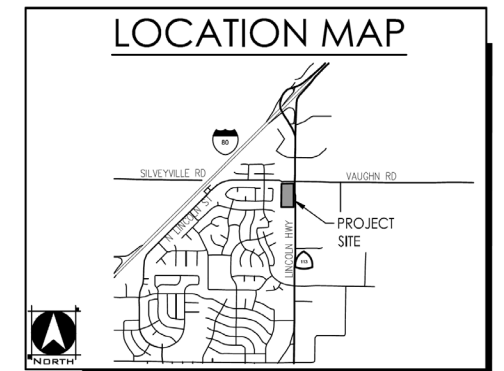
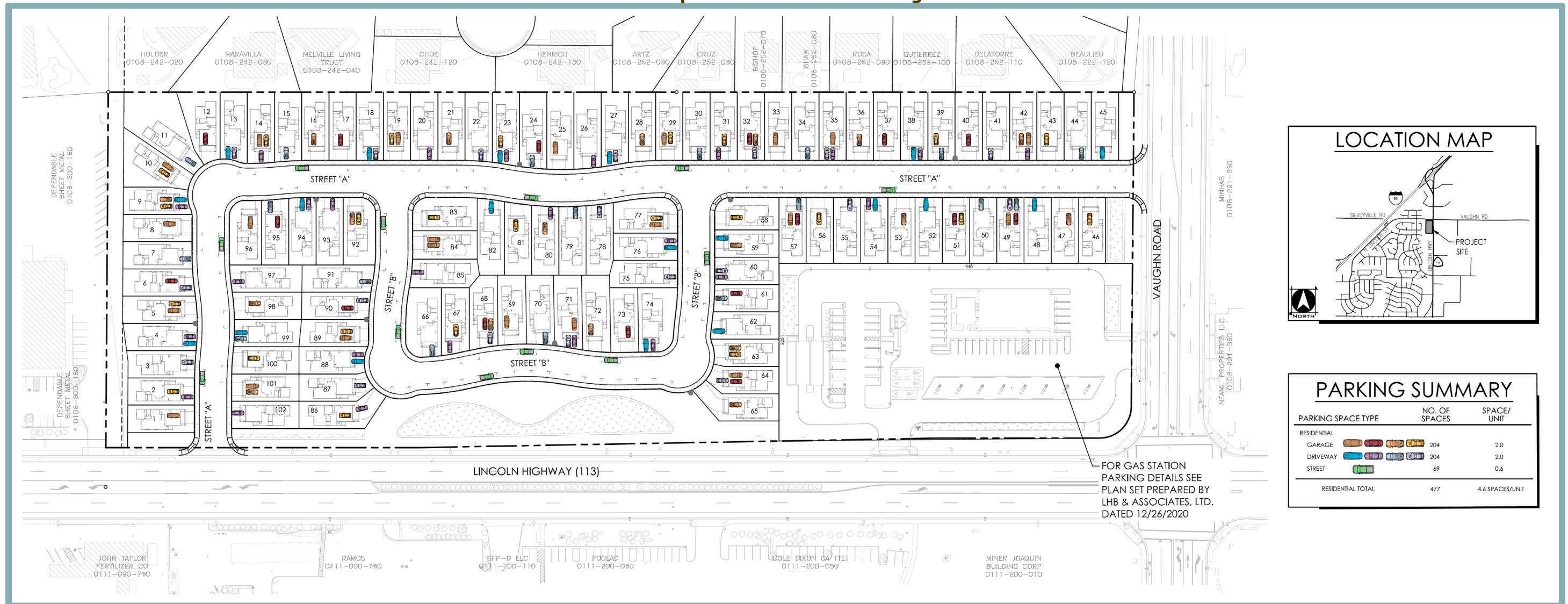
### **Access, Circulation, and Parking**

North Lincoln Street and SR 113 would provide site access to both the proposed subdivision and the commercial lot. Each roadway would feature a point of ingress/egress to both of the project site's land uses. Existing sidewalks and bicycle lanes are located along each road.

The subdivision would include two neighborhood roads, Street A and Street B, which would provide access to the single-family lots (see Figure 4). Each would be designed in accordance with the right-of-way design requirements established by Section 17.10.090 of the City's Municipal Code and the City's current Engineering Design Standards. Street A, generally constructed in an "L" shape, would provide access to North Lincoln Street and SR 113. The northern end of Street A would intersect with North Lincoln Street and the southern end of the street would intersect with SR 113. Street B would be located entirely within the interior of the project site and would connect only to Street A, at two points. Street B would generally be constructed in a reverse "C" shape. Streets A and B would include a 47-foot right-of-way (ROW), with each half of the ROW consisting of a 10-foot driving lane, a 7.5-foot parking lane, and a six-foot attached curb and sidewalk. Consistent with Section 17.10.070 of the Municipal Code, which discourages excessively long, straight residential streets, the roads would be designed to gently curve in order to slow traffic and provide visual relief. As shown in Figure 9, a total of 477 parking spaces would be provided in the subdivision, including 204 garage spaces, 204 driveway spaces, and 69 on-street spaces.

The commercial lot would be accessible by way of North Lincoln Street and SR 113 (see Figure 8). The lot would include a 35-foot-wide ingress/egress along each roadway. Additionally, the commercial lot would include 39 regular parking spaces, three Americans with Disabilities Act-accessible (ADA-accessible) parking spaces, and five spaces reserved for electric vehicles (EVs). One of the EV-charging spaces would be ADA-accessible. A bike rack would be provided near the southeast corner of the convenience store.

**Figure 9**  
**Lincoln Square Residential Parking Plan**



PARKING SUMMARY		
PARKING SPACE TYPE	NO. OF SPACES	SPACE/UNIT
RESIDENTIAL		
GARAGE	204	2.0
DRIVEWAY	204	2.0
STREET	69	0.6
<b>RESIDENTIAL TOTAL</b>	<b>477</b>	<b>4.6 SPACES/UNIT</b>

## **Utilities**

The proposed project would be provided water service by the City through connections to the existing 12-inch mains in North Lincoln Street and SR 113 (see Figure 10). The City would also provide sewer service to the project site through connections to the existing eight-inch main in North Lincoln Street and the existing 12-inch main in SR 113. The project's new water and sewer lines would be designed consistent with the requirements set forth in the City's Engineering Design Standards.

With respect to the commercial lot, the convenience store would connect to the existing water main in North Lincoln Street and the car wash would connect to the existing water main in SR 113. Three underground storage tanks (USTs) would be installed to the southeast of the convenience store, comprised of a 20,000-gallon diesel UST, a 20,000-gallon regular gasoline UST, and a 15,000-gallon premium gasoline UST.

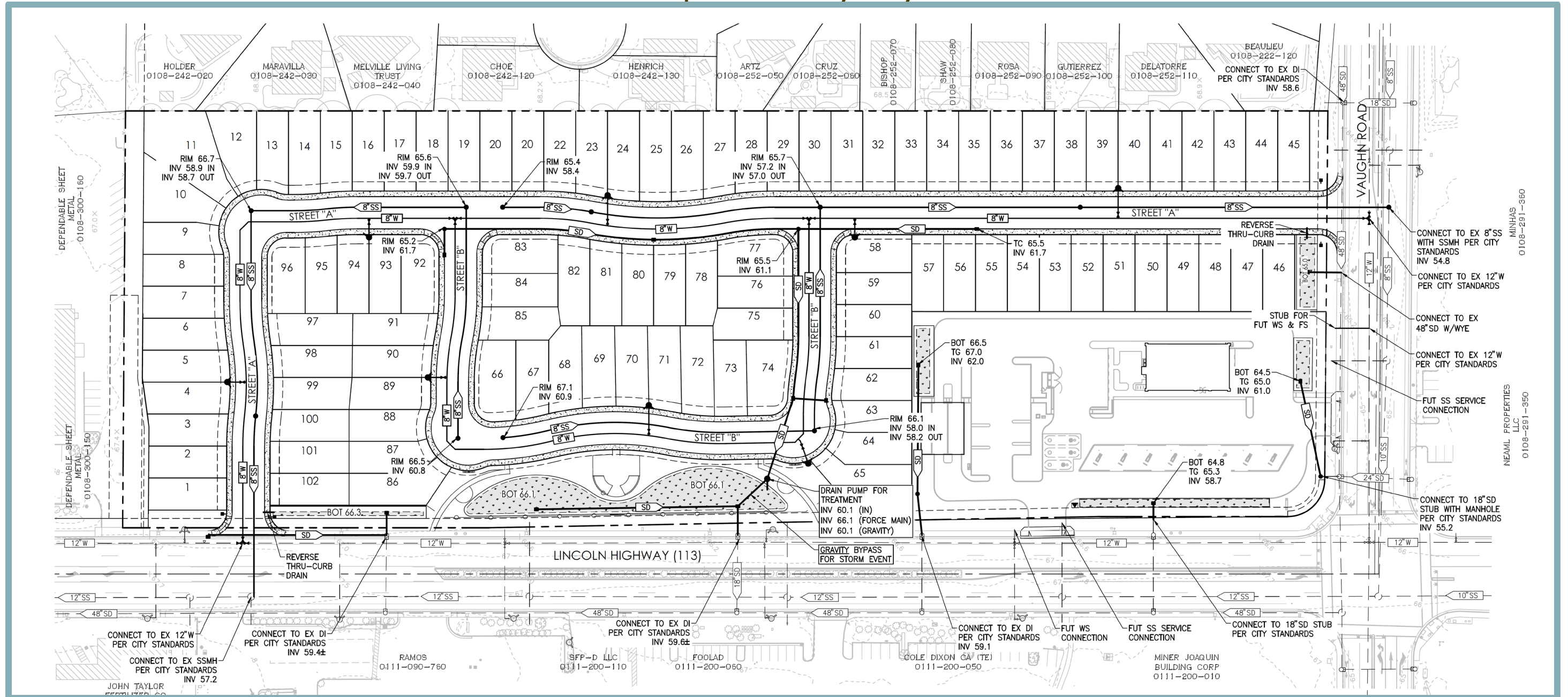
The project site would include on-site stormwater facilities to provide water quality treatment and drainage management before discharging runoff to the existing 48-inch storm drain mains in Vaughn Road and SR 113. All stormwater facilities would be designed consistent with the requirements set forth in the City's Engineering Design Standards. To assist in stormwater management, the project site would feature a total of six Drainage Management Areas (DMAs) (see Figure 11). In general, each DMA would consist of biotreatment soil mix to provide initial treatment before runoff is routed to the existing storm drain system adjacent to the site. The DMAs would be of various sizes and would be located as follows: (1) in the northwest corner of the subdivision, between the northern boundary of Lot 46 and North Lincoln Street; (2) to the north of the convenience store, parallel to North Lincoln Street; (3) to the east of the fueling canopy, parallel to SR 113; (4) to the west of the car wash; (5) to the east of residential Lots 86 to 102, parallel to SR 113; and (6) within the pocket park. In addition, a new storm drain line would also be installed within Street A, which would route runoff to the DMA in the pocket park immediately east of SR 113, where flows would eventually be released to the storm drain main in SR 113.

Electricity and natural gas would be provided by Pacific Gas & Electric (PG&E) Co. The proposed project would connect to existing infrastructure in the project vicinity. Consistent with Section 17.12.120 of the Municipal Code, new electricity and natural gas would be installed underground.

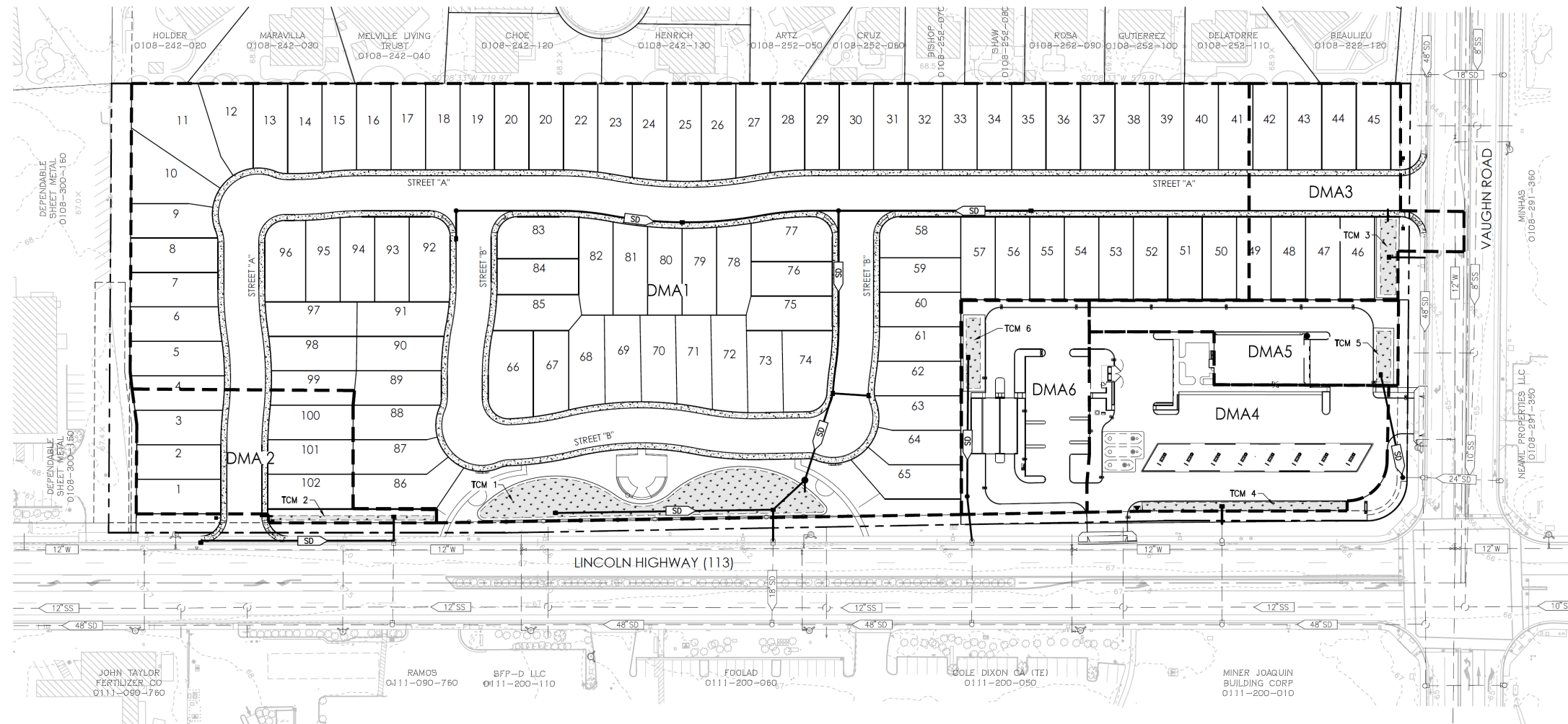
## **Green Space and Landscaping**

Landscaping would be provided throughout the proposed project's residential community and commercial lots consistent with the requirements established by Sections 18.33.070 and 18.33.090 of the City's Municipal Code. Section 18.33.070 requires that the front yard of all single-family residences be xeriscaped or landscaped and irrigated. Additionally, at least two street trees are required for every 50 feet of street frontage for the commercial component and one street tree for every 50 feet of linear street frontage for the residential components, with species selected from the City's approved street tree list. Section 18.33.090 requires that all trees be at least 15 gallons in size. As shown in Figure 12, the front yard of each of the proposed residences would be landscaped and include at least one appropriate street tree. Street trees would also be provided along North Lincoln Street to the north of Lots 45 and 46, as well as along the residential community's eastern boundary abutting SR 113. In addition, 0.84-acre of green space would be provided in the residential community in the form of a pocket park, which would include table and bench areas, sidewalks around the park perimeter, and would serve to capture and treat stormwater runoff from the proposed residences before discharge to the City's storm drain system. The pocket park would be located immediately to the west of SR 113.

**Figure 10**  
**Lincoln Square Preliminary Utility Plan**

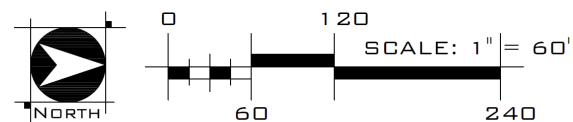
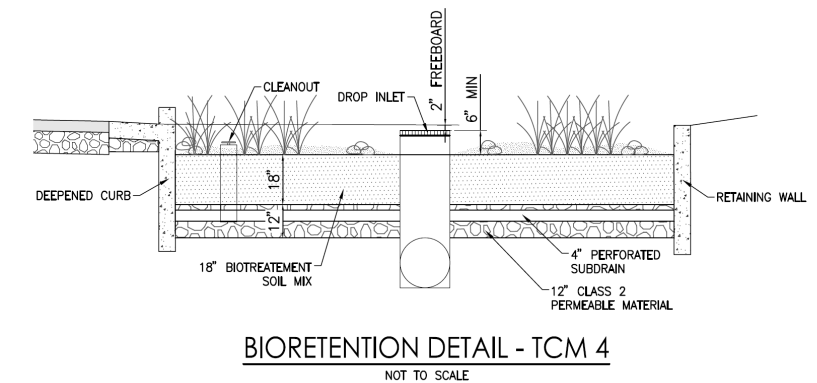
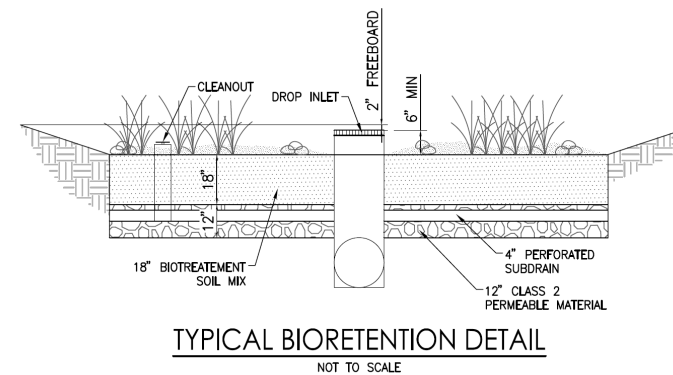


**Figure 11**  
**Lincoln Square Preliminary Stormwater Control Plan**



RESIDENTIAL					
DRAINAGE MANAGEMENT AREA (DMA)	TOTAL DRAINAGE AREA (SF)	60% IMPERVIOUS AREA (SF)	REQUIRED 4% METHOD AREA (SF)	PROVIDED AREA (SF)	TREATMENT CONTROL MEASURE (TCM)
DMA1	395,335	237,201	9,488	10,030	TCM 1
DMA2	28,960	17,376	695	695	TCM 2
DMA3	35,370	21,222	849	1,160	TCM 3

COMMERCIAL					
DRAINAGE MANAGEMENT AREA (DMA)	TOTAL DRAINAGE AREA (SF)	90% IMPERVIOUS AREA (SF)	REQUIRED 4% METHOD AREA (SF)	PROVIDED AREA (SF)	TREATMENT CONTROL MEASURE (TCM)
DMA4	43,720	39,348	1,579	1,678	TCM 4
DMA5	19,690	17,721	709	724	TCM 5
DMA6	27,327	24,544	984	995	TCM 6



**Figure 12**  
**Lincoln Square Residential Landscaping Plan**



PLANT SCHEDULE					
TREES	BOTANICAL / COMMON NAME	SIZE	WATER USE	QTY	
	CHIONANTHUS RETUSUS 'SPIRIT' TM SPIRIT CHINESE FRINGE TREE 10-20' T X 10-15' W	15 GAL	LOW	42	
	LAGERSTROEMIA I 'MUSKOGEE' GRAPE MYRTLE 15-20' T X 15' W	24'BOX	LOW	34	
	QUERCUS RUBRA RED OAK	24'BOX	MEDIUM	20	
	RHUS LANCEA AFRICAN SUMAC 20-30' T X 20-35' W	15 GAL	LOW	40	
	ROBINIA X AMBIGUA 'DECAISNEANA' PINK HYBRID LOCUST 40-50' T X 20' W	15 GAL	LOW	12	
	TILIA X EUCHLORA CRIMEAN LINDEN 40-60' T X 20-30' W	15 GAL	MEDIUM	39	
	OPEN SPACE ARCTOSTAPHYLOS D. 'HOWARD MCMINN' / MANZANITA CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / FEATHER REED GRASS CALLISTEMON CITRINUS 'LITTLE JOHN' / DWARF BOTTLE BRUSH DIETES X NOLA ALBA / KATRINA AFRICAN IRIS ELAEAGARBUS DECIPENS TM / JAPANESE BLUEBERRY TREE EUONYMUS J. 'MICROPHYLLA' / BOXLEAF EUONYMUS FEUOIA SELLOWIANA / PINEAPPLE GUAVA GAURA L. 'WHIRLING BUTTERFLIES' / WHIRLING BUTTERFLIES GAURA GREVILLEA LANGIERA 'COASTAL GEM' / COASTAL GEM GREVILLEA HESPERALOE PARVIFLORA 'BRAKELIGHTS' TM / BRAKELIGHTS RED YUCCA LAURUS NOBILIS 'MONRIK' TM / LITTLE RAGU SWEET BAY LEUCOPHYLLUM FRUTESCENS 'COMPACTA' / COMPACT TEXAS RANGER LOMANDRA LONGIFOLIA 'BREEZE' / DWARF MAT RUSH LOMANDRA LONGIFOLIA 'PLATINUM BEAUTY' / PLATINUM BEAUTY MATT RUSH NANDINA DOMESTICA 'GULF STREAM' / HEAVENLY BAMBOO PEROVSKIA ATRIPLICIFOLIA / RUSSIAN SAGE PHORMIUM TENAX 'ATROPURPUREUM COMPACTUM' / BRONZE NEW ZEALAND FLAX PITTOSPORUM TOBIRA 'CREAM DE MINT' TM / CREAM DE MINT DWARF MOCK ORANGE PRUNUS CAROLINIANA 'BRIGHT 'N TIGHT' / CAROLINA LAUREL RHAMNUS CALIFORNICA 'EVE CASE' / CALIFORNIA COFFEEBERRY RHAPHOLEPIS INDICA 'JACK EVANS' / INDIAN HAWTHORN ROSA X 'ICEBURG' / ICEBURG WHITE ROSE WESTRINGIA FRUTICOSA 'BLUE GEM' / COAST ROSEMARY XYLOSMA CONGESTUM / SHINY XYLOSMA ESPALIER				
	BIORETENTION BIOFILTRATION MIX / DELTA BLUE GRASS				

- LANDSCAPE PLAN NOTES**
1. ALL LANDSCAPE AREAS WILL COMPLY WITH CITY OF DIXON LANDSCAPE STANDARDS.
  2. ALL LANDSCAPE AREAS WILL UTILIZE LOW AND MEDIUM WATER USE PLANT MATERIAL.
  3. ALL SHRUB AND GROUND COVER AREAS ARE TO RECEIVE A 3" LAYER OF BARK MULCH.
  4. IRRIGATION DESIGN SHALL COMPLY WITH CITY OF DIXON MODEL WATER EFFICIENT LANDSCAPE ORDINANCE. ALL NECESSARY DOCUMENTATION INCLUDING WATER CALCULATIONS AND CERTIFICATES SHALL BE SUBMITTED WITH THE LANDSCAPE CONSTRUCTION DOCUMENTS FOR REVIEW AND APPROVAL.
  5. IRRIGATION SYSTEM WILL CONSIST OF LOW FLOW ROTARY SPRAY NOZZLE TECHNOLOGY, POINT SOURCE BUBBLERS AND/OR DRIP EMITTERS SYSTEM CONTROLLED BY AN AUTOMATIC IRRIGATION CONTROLLER USING ET DATA SCHEDULING AND RAIN SENSOR SHUT-OFF CAPABILITIES.
  6. ALL STORMWATER QUALITY FEATURE LANDSCAPING SHALL BE PER THE STORMWATER QUALITY DESIGN MANUAL FOR CALIFORNIA STORMWATER QUALITY ASSOCIATION, STORMWATER BEST MANAGEMENT PRACTICE
  7. TOTAL OPEN SPACE LANDSCAPE AREA PROVIDED = 292,992 SF



With respect to the commercial lot, Section 18.33.070 of the Municipal Code generally requires CS zoning districts to incorporate landscaping, at a minimum 10-foot width, along street frontages. At least two street trees are required along every 50-foot segment abutting the street, with selected tree species encouraged to be from the City's approved street tree list. As shown in Figure 13, the commercial lot would be landscaped in accordance with applicable requirements.

### **Design Review**

The proposed project would be subject to Design Review pursuant to Section 18.23.100 of the City's Municipal Code, which requires the City's Planning Commission to review the design of new single-family and commercial development for consistency with the City's applicable design standards. Design Review encompasses review of the siting of structures; landscaping, fencing, and other screening; circulation, parking, and loading facilities; public works items such as curbs, gutters; exterior lighting; and open space areas.

### **Discretionary Actions**

Implementation of the proposed project would require the following discretionary actions by the City:

- Rezone from ML-PAO-PD to Planned Multiple Residential-PD (PMR-PD) and Service Commercial-PD (CS-PD);
- Tentative Subdivision Map;
- Planned Development; and
- Design Review.

## **G. ENVIRONMENTAL CHECKLIST**

The following Checklist contains the environmental checklist form presented in Appendix G of the CEQA Guidelines. The checklist form is used to describe the impacts of the proposed project. A discussion follows each environmental issue identified in the checklist. Included in each discussion are project-specific mitigation measures recommended, as appropriate, as part of the proposed project.

For this checklist, the following designations are used:

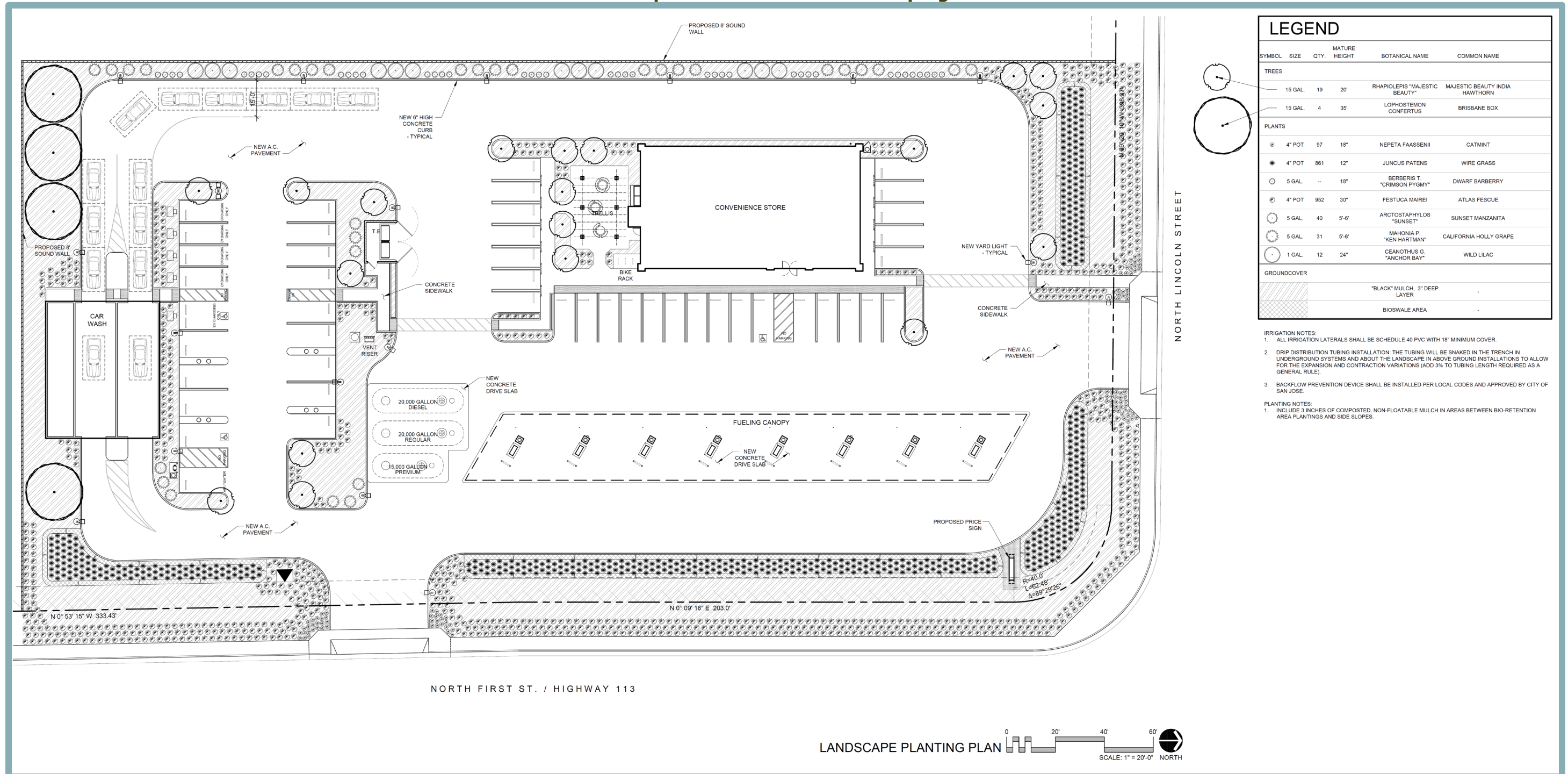
**Potentially Significant Impact:** An impact that could be significant, and for which no mitigation has been identified. If any potentially significant impacts are identified, an EIR must be prepared.

**Less Than Significant with Mitigation Incorporated:** An impact that requires mitigation to reduce the impact to a less-than-significant level.

**Less-Than-Significant Impact:** Any impact that would not be considered significant under CEQA relative to existing standards.

**No Impact:** The project would not have any impact.

**Figure 13**  
**Lincoln Square Commercial Landscaping Plan**



**I. AESTHETICS.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

- a. 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 project site, which is undeveloped but adjacent to existing residential, commercial, heavy commercial, and light industrial development, does not include typical scenic vistas.

The City’s General Plan does not designate official scenic view corridors or vistas. The Land Use and Community Character Element of the General Plan notes that good visibility of surrounding agricultural lands is a critical element in maintaining the City’s agricultural small-town character and that scenic vistas, including views from I-80 and to surrounding fields, keep the City rooted in its history and provide beauty and visual relief. In addition, General Plan Policy LCC-2.8 requires that the City protect and improve scenic vistas in the General Plan Planning Area (land within the City limits and City’s Sphere of Influence [SOI]), including views from I-80 and views of surrounding agricultural and open space lands. The project site is not viewable from I-80. Furthermore, while the location has been historically used for irrigated agricultural production, the site is surrounded by existing development and would, thus, be considered infill development, not open space land. Therefore, the project site would not qualify as a scenic vista by Policy LCC-2.8’s definition, nor are scenic vistas, as generally defined in the General Plan, viewable from the project site.

Based on the above information, the proposed project would not have a substantial adverse effect on a scenic vista, and the project would result in **no impact**.

- b. According to the California Department of Transportation’s (Caltrans) State Scenic Highway Map, the nearest officially designated State Scenic Highway to the project site is a portion of SR 160, located approximately 15.93 miles to the east.<sup>3</sup> Additionally, the

<sup>3</sup> California Department of Transportation. *Scenic Highways*. Available at: <https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>. Accessed June 2021.

nearest eligible highway for designation as a State Scenic Highway is SR 128, located approximately 8.9 miles to the northwest of the project site. Furthermore, the project site does not include rock outcropping or structures. Therefore, the proposed project would not substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State Scenic Highway and the project would result in **no impact**.

- c. While the project site is undeveloped, the property is located in the City limits, adjacent to existing development, including the following surrounding land uses: commercial businesses immediately to the north, across North Lincoln Street; a grocery store to the northeast; heavy commercial uses located immediately to the east, across SR 113; light industrial businesses to the south; and single-family residential communities to the southwest, west, and northwest. As such, the project site is within an urbanized area, and the relevant threshold is whether the proposed project would conflict with applicable zoning and other regulations governing scenic quality.

The proposed project is consistent with the uses allowed in the CMU General Plan land use designation. With approval of the Rezone, the project would be consistent with the site's zoning districts. The project's residential components would be required to be designed in accordance with all of the City's applicable Subdivision Design Standards, which are included in Chapter 17.10 of the Municipal Code. The commercial lot would be subject to all applicable standards established in Chapter 18.12 of the Municipal Code. Furthermore, as part of the Design Review process set forth by Section 18.23.150 of the Municipal Code, the project would be reviewed by the Design Review Commission to ensure the siting of structures; landscaping, fencing, and other screening; and exterior elevations or perspective drawings of structures are in compliance with all applicable City standards. As such, the proposed project would be required to comply with all applicable regulations and would be subject to review and approval by the City, which would ensure the project would not conflict with applicable zoning and other regulations governing scenic quality, and a **less-than-significant** impact would occur.

- d. The project site is currently undeveloped and does not include any sources of light or glare. However, as noted previously, the project site is bordered by existing commercial uses to the north, across North Lincoln Street, heavy commercial uses to the east, across from SR 113, light industrial businesses to the south, and single-family residential uses to the west. Thus, the project vicinity contains numerous existing sources of light and glare. The proposed residential and commercial uses and internal driveways would introduce new sources of light and glare, including, but not limited to, headlights on vehicles using the on-site street system, exterior light fixtures, light reflecting off windows, and interior light spilling through windows.

However, the proposed project would be required to comply with all applicable regulations, which would be subject to verification by the City. Signs associated with the commercial lot would be required to comply with the general provisions of Section 18.24.040 of the Municipal Code, which requires all permanent commercial signs be reviewed by the Design Review Commission to ensure the signs are consistent with the City's applicable standards related to design, dimension, color, graphics, material, and lighting system. The commercial lot's parking area would be subject to Section 18.27.080 of the Municipal Code, which requires that off-street parking facilities deflect lighting away from abutting residential sites. Section 18.28.020 of the Municipal Code forbids all buildings from being occupied or used in a manner that would create glare. Additionally, the proposed project

would be required to adhere to the City's current Engineering Design Standards, including Section 7, which contains design criteria for street lights subject to approval by the City Engineer prior to final approval of improvement plans. Finally, as part of the Design Review process, the Design Review Commission would review the proposed project for intensity of all exterior lighting. Therefore, the proposed project would not introduce new sources of substantial light or glare to the project site that would adversely affect day or nighttime views in the area, and a ***less-than-significant*** impact would occur.

**II. AGRICULTURE AND FORESTRY RESOURCES.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>
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))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>
d. Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>

**Discussion**

- a,e. According to the California Department of Conservation (DOC) Farmland Mapping and Monitoring Program (FMMP), the project site is designated entirely as “Other Land.”<sup>4</sup> Per the DOC, common examples of “Other Land” include low-density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry or aquaculture facilities; strip mines, borrow pits; and water bodies smaller than 40 acres. The project site is undeveloped, does not include wetland or riparian areas, and is not suitable for agriculture or aquaculture facilities. Given the site designation, development of the proposed project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to a non-agricultural use, or otherwise result in the loss of Farmland to non-agricultural use. Therefore, the project would result in **no impact**.
- b. The project site’s General Plan land use designation is CMU and the site is currently zoned ML-PAO-PD. As part of the proposed project, a Rezone would change the property’s zoning to PMR-PD and CS-PD. As such, neither the site’s land use designation, existing zoning, or proposed zoning would be for agricultural uses. The project site is not under any Williamson Act. Therefore, the proposed project would not conflict with existing zoning for agricultural use or a Williamson Contract, and the project would result in **no impact**.
- c,d. 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 such, the proposed project would not conflict with existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland, or result in the loss of forest land or conversion of forest land to non-forest use. Therefore, the project would result in **no impact**.

<sup>4</sup> California Department of Conservation. *California Important Farmland Finder*. Available at: <https://maps.conservation.ca.gov/dlrp/ciff/app/>. Accessed June 2021.

**III. AIR QUALITY.**

*Would the project:*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
c. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>

**Discussion**

a,b. The City of Dixon is located within the Sacramento Valley Air Basin (SVAB) and under the jurisdiction of the Yolo-Solano Air Quality Management District (YSAQMD). The federal Clean Air Act (CAA) and the California Clean Air Act (CCAA) require that federal and State ambient air quality standards (AAQS) be established, respectively, for six common air pollutants, known as criteria pollutants. The SVAB is designated nonattainment for the federal particulate matter 2.5 microns in diameter (PM<sub>2.5</sub>) and the State particulate matter 10 microns in diameter (PM<sub>10</sub>) standards, as well as for both the federal and State ozone standards.

The CAA requires each state to prepare an air quality control plan referred to as a State Implementation Plan (SIP). The SIPs are modified periodically to reflect the latest emissions inventories, planning documents, and rules and regulations of the air basins, as reported by their jurisdictional agencies. Due to the nonattainment designations, YSAQMD, along with the other air districts in the SVAB region, periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the federal AAQS, including control strategies to reduce air pollutant emissions via regulations, incentive programs, public education, and partnerships with other agencies.

General conformity requirements of the SIP include whether a project would cause or contribute to new violations of any federal AAQS, increase the frequency or severity of an existing violation of any federal AAQS, or delay timely attainment of any federal AAQS. In addition, a project would be considered to conflict with, or obstruct implementation of, an applicable air quality plan if the project would be inconsistent with the emissions inventories contained in the air quality plan. Emission inventories are developed based on projected increases in population, employment, regional vehicle miles traveled (VMT), and associated area sources within the region, which are based on regional projections that are, in turn, based on General Plan and zoning designations for the region.

Due to the nonattainment designations of the area, YSAQMD has developed plans to attain the State and federal standards for ozone and particulate matter. The plans include the 2013 Ozone Attainment Plan, the PM<sub>2.5</sub> Implementation/Maintenance Plan, and the 2012 Triennial Assessment and Plan Update. Adopted YSAQMD 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. Thus, by exceeding the YSAQMD's mass emission thresholds for operational or construction

emissions of reactive organic gas (ROG), nitrogen oxide (NO<sub>x</sub>), or PM<sub>10</sub>, a project would be considered to conflict with or obstruct implementation of the YSAQMD's air quality planning efforts. The YSAQMD mass emission thresholds for operational and construction emissions are shown in Table 1 below.

<b>Pollutant</b>	<b>Construction Thresholds</b>	<b>Operational Thresholds</b>
ROG	10 tons/yr	10 tons/yr
NO <sub>x</sub>	10 tons/yr	10 tons/yr
PM <sub>10</sub>	80 lbs/day	80 lbs/day

**Source: YSAQMD. Handbook for Assessing and Mitigating Air Quality Impacts. July 11, 2007.**

To assess the proposed project's potential impacts related to construction and operational emissions of the pollutants presented in Table 1 above, the proposed project's emissions were estimated using the California Emissions Estimator Model Version 2020.4.0 (CalEEMod). CalEEMod is a statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify air quality emissions, including greenhouse gas (GHG) emissions, from land use projects. The model applies inherent default values for various land uses, including construction data, vehicle mix, trip length, average speed, etc. Where project-specific information is available, such information should be applied in the model.

Based on information provided by the project applicant, the residential component of the proposed project's modeling assumed the following:

- Construction would begin in March of 2022;
- Construction would occur over an approximately two-year period;
- The proposed project would comply with all relevant provisions of the 2019 California Building Standards Code (CBSC), 2019 CALGreen Code, and Model Water Efficient Landscape Ordinance (MWELo).

For the commercial component of the proposed project, the modeling assumed the following:

- Construction would begin in March of 2022;
- Construction would occur over an approximately seven-month period;
- During site preparation, 500 cubic yards (CY) of soil would be exported;
- During grading, 500 CY of soil would be imported, and 500 CY of soil would be exported;
- The haul truck trips for the soil import and export were assumed to be 30 miles in length;
- Trip rates were adjusted based on the trip generation rates that were provided for the proposed project by Urban Crossroads; and
- The proposed project would comply with all relevant provisions of the 2019 CBSC, 2019 CALGreen Code, and MWELo.

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. All CalEEMod results are included in Appendix A to this IS/MND.

### **Construction Emissions**

The proposed project's estimated construction-related emissions are presented in Table 2. As shown in the table, the proposed project's construction emissions of ROG, NO<sub>x</sub>, and PM<sub>10</sub> would be below the applicable YSAQMD thresholds of significance.

<b>Table 2 Maximum Project Construction-Related Emissions</b>			
	<b>ROG (tons/yr)</b>	<b>NO<sub>x</sub> (tons/yr)</b>	<b>PM<sub>10</sub> (lbs/day)</b>
Proposed Project	1.42	3.64	32.58
Threshold of Significance	10	10	80
<b>Exceeds Threshold?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Source: CalEEMod, November 2021 (see Appendix A).</i>			

Therefore, the proposed project's construction-related emissions would not result in a contribution to the region's nonattainment status of ozone or PM and would not violate an air quality standard or contribute substantially to an existing or projected air quality violation.

### **Operational Emissions**

Based on the modeling parameters presented above, the proposed project's estimated operational-related emissions are presented in Table 3.

<b>Table 3 Maximum Project Operational Emissions</b>			
	<b>ROG (tons/yr)</b>	<b>NO<sub>x</sub> (tons/yr)</b>	<b>PM<sub>10</sub> (lbs/day)</b>
Proposed Project	1.73	1.39	8.77
Threshold of Significance	10	10	80
<b>Exceeds Threshold?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Source: CalEEMod, November 2021 (see Appendix A).</i>			

As shown in the table, the proposed project's operational emissions of ROG, NO<sub>x</sub>, and PM<sub>10</sub> would be below the applicable YSAQMD thresholds of significance. Therefore, the proposed project's operational-related emissions would not result in a contribution to the region's nonattainment status of ozone or PM and would not violate an air quality standard or contribute substantially to an existing or projected air quality violation.

### **Cumulative Emissions**

By nature, air pollution is largely a cumulative impact. Thus, the proposed project, in combination with other proposed and pending projects in the region would significantly contribute to air quality effects within the SVAB, resulting in an overall significant cumulative impact. However, any single project is not sufficient enough in size to, alone, 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 incremental impact on air quality would be considered significant. In developing thresholds of significance for air pollutants,

YSAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds that project's emissions would be cumulatively considerable, resulting in a significant adverse air quality impact to the region's existing air quality conditions. As discussed above, implementation of the proposed project would result in construction-related and operational emissions below YSAQMD's thresholds of significance. Therefore, based on the project's consistency with YSAQMD's thresholds of significance, the proposed project would not be anticipated to result in a significant incremental contribution to the significant cumulative impact.

## Conclusion

According to YSAQMD, if a project would not result in significant and unavoidable air quality impacts, after the application of all feasible mitigation, the project may be considered consistent with the air quality plans. Based on the above, the proposed project's criteria pollutant emissions would be below applicable YSAQMD thresholds. As such, the project would not be considered to conflict with or obstruct implementation of regional air quality plans. Because the proposed project would not conflict with or obstruct implementation of the applicable air quality plans or result in a cumulatively considerable net increase in any criteria air pollutant for which the project region is non-attainment, impacts would be considered **less than significant**.

- c. Some land uses are considered more sensitive to air pollution than others, due to the types of population groups or activities involved. Heightened sensitivity may be caused by health problems, proximity to the emissions source, and/or duration of exposure to air pollutants. Children, pregnant women, the elderly, and those with existing health problems are especially vulnerable to the effects of air pollution. Accordingly, land uses that are typically considered to be sensitive receptors include residences, schools, childcare centers, playgrounds, retirement homes, convalescent homes, hospitals, and medical clinics. The nearest existing sensitive receptors would be the single-family residences located approximately 20 feet west of the project site's western boundary.

The major pollutant concentrations of concern are localized carbon monoxide (CO) emissions and Toxic Air Contaminant (TAC) emissions, which are addressed in further detail below.

## Localized CO Emissions

Localized concentrations of CO are related to the levels of traffic and congestion along streets and at intersections. High levels of localized CO concentrations are only expected where background levels are high, and traffic volumes and congestion levels are high. The YSAQMD recommends the use of screening thresholds to assess a project's potential to create an impact through the creation of CO hotspots. A violation of the CO standard could occur if either of the following criteria is true of any street or intersection affected by the mitigated project:<sup>5</sup>

- The project would reduce peak-hour level of service (LOS) on one or more streets or at one or more intersections to an unacceptable LOS (typically LOS E or F); or

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<sup>5</sup> Yolo-Solano Air Quality Management District. *Handbook for Assessing and Mitigating Air Quality Impacts*. July 11, 2007.

- The project would increase a traffic delay by 10 or more seconds on one or more streets or at one or more intersections in the project vicinity where a peak hour LOS of F currently exists.

If either or both of the above criteria are met by the mitigated project, YSAQMD recommends performing a full CO Protocol Analysis. However, following approval of Senate Bill (SB) 743, CEQA documents can no longer rely on LOS for determining significance conclusions. Because the YSAQMD's current guidance for determining localized CO impacts relies only on LOS, and LOS cannot be used for determining significance conclusions, this analysis relies on the guidance of nearby air districts.

Per the Sacramento Metropolitan Air Quality Management District's (SMAQMD's) CEQA Guidelines, emissions of CO are generally of less concern than other criteria pollutants, as operational activities are not likely to generate substantial quantities of CO, and the SVAB has been in attainment for CO for multiple years.<sup>6</sup> Additionally, the Placer County Air Pollution Control District (PCAPCD), which has authority over a portion of the SVAB and is located within proximity to the YSAQMD, has a screening level for localized CO impacts. According to the PCAPCD screening levels, a project could result in a significant impact if the project would result in CO emissions from vehicle operations in excess of 550 lbs/day.<sup>7</sup> Per CalEEMod estimates calculated for the proposed project, operations of the proposed project would result in maximum CO emissions of 54.67 lbs/day, which is significantly under the PCAPCD screening level.

Therefore, based on the guidance of the SMAQMD and PCAPCD, the proposed project would not expose sensitive receptors to substantial concentrations of localized CO and impacts related to localized CO emissions would be less than significant.

### **Toxic Air Contaminants**

Another category of environmental concern is TACs. The California Air Resources Board's (CARB) *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, gasoline dispensing facilities (GDFs), chrome plating operations, 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. Gasoline includes multiple TACs, which are released through various processes during the operation of GDFs. Such TACs include, but are not limited to, benzene, ethyl benzene, toluene, and xylene. Health risks associated with TACs are a function of both the concentration of emissions and the duration of exposure, where the higher the concentration and/or the longer the period of time that a sensitive receptor is exposed to pollutant concentrations would correlate to a higher health risk.

The proposed project would involve several components that would result in emissions of TACs. In particular, implementation of the proposed project would result in emissions related to project-construction, the use of heavy-duty diesel trucks to transport goods to

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<sup>6</sup> Sacramento Metropolitan Air Quality Management District. *CEQA Guide: Chapter 4, Operational Criteria Air Pollutant Emissions*. October 2020.

<sup>7</sup> Placer County Air Pollution Control District. *2017 CEQA Handbook: Chapter 4, Analyzing Operations Criteria Pollutant Emissions*. 2017.

and from the site, and operations of the proposed GDF. Each source of TACs is discussed in further depth in the sections below.

### Construction Emissions

Construction-related activities have the potential to generate concentrations of TACs, specifically DPM, from on-road haul trucks and off-road equipment exhaust emissions. However, construction would be temporary and would occur over a relatively short duration in comparison to the operational lifetime of the proposed project. Only portions of the site would be disturbed at a time throughout the construction period, with operation of construction equipment occurring intermittently throughout the course of a day rather than continuously at any one location on the project site. Operation of construction equipment within portions of the overall development area would allow for the dispersal of emissions, and would ensure that construction-activity is not continuously occurring in the portions of the project site closest to existing receptors.

Per the City's Noise Ordinance, construction activities would be limited to the hours of 7:00 AM and 6:00 PM Monday through Saturday and 9:00 AM through 6:00 PM Sunday. In addition, all construction equipment and operation thereof would be regulated per the In-Use Off-Road Diesel Vehicle Regulation. The In-Use Off-Road Diesel Vehicle Regulation includes emissions reducing requirements such as limitations on vehicle idling, disclosure, reporting, and labeling requirements for existing vehicles, as well as standards relating to fleet average emissions and the use of Best Available Control Technologies. Furthermore, the prevailing wind direction in the City of Dixon is primarily from the west and, thus, construction-related DPM would be directed away from the nearby residential areas and associated sensitive receptors.<sup>8</sup>

Due to the temporary nature of construction and substantial distance to the closest sensitive receptors, the project would not result in any one nearby sensitive receptor being exposed to high concentration of DPM associated with construction for an extended period of time.

### Heavy-Duty Diesel Trucks On-site

Operation of the proposed retail uses and the GDF would require the movement of goods to and from the project site through the use of trucks, which would likely include heavy-duty diesel trucks. The use of diesel trucks on-site would represent a source of DPM. The CARB considers distribution centers to be significant sources of DPM due to the high volume of heavy-duty diesel vehicles used in the distribution of goods. As defined by CARB, distribution centers are facilities that serve as a distribution point for the transfer of goods. Such facilities include cold storage warehouses, goods transfer facilities, and inter-modal facilities such as ports that attract in excess of 100 heavy-duty trucks per day.

Considering the scale and type of proposed buildings, the proposed project would not be considered a distribution center, nor would project operations be anticipated to involve more than 100 heavy-duty trucks accessing the site per day. In fact, the Environmental Noise and Vibration Assessment prepared for the proposed project conservatively assumed that four medium-duty trucks/vans would deliver products to the store on a typical busy day. Thus, operations of the proposed project would not be considered to

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<sup>8</sup> Weather Spark. *Climate and Average Weather Year Round in Dixon, California*. Available at: <https://weatherspark.com/y/1121/Average-Weather-in-Dixon-California-United-States-Year-Round>. Accessed November 2021.

involve a substantial amount of DPM emissions from heavy-duty diesel vehicles. In addition, heavy-duty diesel vehicles are prohibited from idling for more than five minutes per CARB regulations, to minimize stationary DPM emissions.

Research conducted by CARB indicates that DPM is highly dispersive in the atmosphere. Thus, emissions of DPM from trucks at the project site would be partially dispersed at the nearest sensitive receptors, and the concentration of DPM at the nearest sensitive receptors would be lower than the concentration of DPM at the source of emissions.

Given the limited number of truck deliveries per day, idling regulations, and the dispersive nature of DPM, operation of the proposed project would not be considered a significant source of DPM from heavy-duty vehicles.

### GDF (Gasoline Dispensing Facility) Operations

As noted previously, GDFs are considered sources of various types of TACs. In order to prevent potential long-term health risks, the CARB Handbook recommends a setback for sensitive receptors of 300 feet from a large GDF (defined as a facility with a throughput of 3.6 million gallons per year or greater) or a setback of 50 feet from a typical GDF (defined as a facility with a throughput of less than 3.6 million gallons per year).<sup>9</sup> The proposed GDF would have a throughput of approximately 2.3 million gallons per year, and the distance from the GDF facility to the nearest existing sensitive receptor is 370 feet. In addition, the proposed residences, upon buildout of the proposed project, would be located approximately 198 feet from the proposed GDF. Therefore, the proposed gas station would be located outside of the applicable CARB-recommended setbacks for a typical GDF and, thus, would not be expected to expose sensitive receptors to substantial pollutant concentrations. Furthermore, as discussed under YSAQMD Rule 2.22, Gasoline Dispensing Facilities, required vapor recovery systems would limit the release of gasoline vapors during refueling. In addition, the proposed project would be required to obtain a YSAQMD Stationary Source Permit and comply with the YSAQMD's Air Toxics Hot Spots Program, which would further ensure that emissions from the proposed GDF are minimized.

Nevertheless, in an abundance of caution, a health risk assessment has been prepared to evaluate the health risk associated with implementation of the proposed GDF on both existing and proposed receptors.

To assess the potential impacts of TACs, the YSAQMD maintains thresholds of significance for the review of local community risk and hazard impacts. The thresholds are designed to assess the impact of new sources of TACs on existing sensitive receptors. Based on the YSAQMD thresholds, the proposed project would result in a significant impact related to TACs if, due to the exposure of sensitive receptors to TACs related to operations of the GDF, nearby sensitive receptors would experience an increased cancer risk of greater than or equal to 10 in one million people, or experience a chronic or acute hazard index of greater than or equal to 1.0.<sup>10</sup>

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<sup>9</sup> California Air Resources Board. *Air Quality and Land Use Handbook: A Community Health Perspective* [pg. 32]. Available at: <https://ww3.arb.ca.gov/ch/handbook.pdf>. Accessed June 2021.

<sup>10</sup> Yolo-Solano Air Quality Management District. *Handbook for Assessing and Mitigating Air Quality Impacts*. July 11, 2007.

Following the guidance within the YSAQMD's *Handbook for Assessing and Mitigating Air Quality Impacts*, as well as guidance from other air districts within California, such as the San Joaquin Valley Air Pollution Control District,<sup>11</sup> the concentrations of pollutants from operation of the GDF were calculated using the American Meteorological Society/Environmental Protection Agency (AMS/EPA) Regulatory Model (AERMOD). The associated cancer risk and non-cancer (chronic and acute) hazard index were calculated using the CARB's Hotspot Analysis and Reporting Program 2 Risk Assessment Standalone Tool (HARP 2 RAST),<sup>12</sup> which calculates the cancer and non-cancer health impacts using the risk assessment guidelines of the 2015 Office of Environmental Health Hazard Assessment (OEHHA) Guidance Manual for Preparation of Health Risk Assessments.<sup>13</sup> In addition to the guidance provided by the YSAQMD, further modeling guidance was obtained through the California Air Pollution Control Officers Association's (CAPCOA) Guidance document, *Gasoline Service Station Industrywide Risk Assessment Guidelines*, as well as the USEPA's *User's Guide for the AMS/EPA Regulatory Model – AERMOD*,<sup>14</sup> and the 2015 OEHHA Guidance Manual.

Considering that GDFs result in the emission of various TACs, potential risks related to the exposure of receptors to benzene, ethyl benzene, toluene, and xylene were considered. Although pollutant concentrations at all nearby receptors were estimated, for the purpose of determining potential health risks, only the highest estimated pollutant concentrations were used in calculating cancer risk and hazard indices. The receptor experiencing the highest estimated pollutant concentrations was considered to be the maximally exposed receptor, and would experience the highest potential health risks. Health risks to all other receptors would be lower than the health risks to the maximally exposed receptor, because all other receptors would be exposed to lower concentrations of GDF related pollutants as compared to the maximally exposed receptor. By using the maximum estimated concentrations and assuming continuous exposure to pollutants, the estimated health risks are considered a worst-case estimate of potential health risks, and actual health risks to receptors in the project area would likely be lower than the levels presented within this analysis.

Table 4 presents the combined cancer risks and non-cancer hazard indices for the foregoing pollutants. It should be noted that the cancer risks and non-cancer hazard indices presented in Table 4 represent the risks over a 30-year exposure period.

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<sup>11</sup> San Joaquin Valley Air Pollution Control District. *Guidance for Air Dispersion Modeling*. August 2006.

<sup>12</sup> California Air Resources Board. *User Manual for the Hotspots Analysis and Reporting Program Health Risk Assessment Standalone Tool, Version 2*. March 17, 2015.

<sup>13</sup> Office of Environmental Health Hazard Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments*. February 2015.

<sup>14</sup> U.S. Environmental Protection Agency. *User's Guide for the AMS/EPA Regulatory Model – AERMOD*. September 2004.

<b>Table 4 Maximum Cancer Risk and Hazard Index Associated with the Proposed GDF Operations</b>			
	<b>Cancer Risk (per million persons)</b>	<b>Acute Hazard Index</b>	<b>Chronic Hazard Index</b>
At Maximally Exposed Receptor*	3.17	0.46	0.01
<i>Thresholds of Significance</i>	10	1.0	1.0
<b>Exceed Thresholds?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
Note: Based on the modeling results, the maximally exposed receptor would be a proposed single-family residence located west of the proposed GDF.			
<b>Sources: AERMOD and HARP 2 RAST, September 2021 (see Appendix A).</b>			

As shown in Table 4 above, TAC emissions related to the operation of the proposed GDF would not result in health risks to the maximally exposed receptor in excess of the YSAQMD’s thresholds for cancer risk and/or non-cancer hazard index.

### Operations of Other Nearby TAC Sources

A cumulative health risk assessment has been prepared in order to evaluate the health risk associated with the operations of stationary sources in the project area, along with implementation of the proposed GDF, on both existing and proposed receptors.

YSAQMD has not adopted a threshold of significance for cumulative health risks from several sources of TACs in a project area. In the absence of adopted cumulative thresholds, the Bay Area Air Quality Management District’s (BAAQMD’s) thresholds are applied in this analysis for informational purposes and to provide context. According to BAAQMD, a cumulative impact associated with TACs would occur if the aggregate total of all past, present, and foreseeable future sources within a 1,000-foot radius from the fence line of a source, or from the location of a receptor, plus the contribution from the project, would exceed the following:<sup>15</sup>

- An increase in cancer risk levels (from all local sources) of more than 100 persons in one million;
- A chronic non-cancer hazard index (from all local sources) greater than 10.0; or
- An annual average PM<sub>2.5</sub> concentration (from all local sources) of 0.8 µg/m<sup>3</sup> or greater.

GDFs, which are the primary concern in this health risk analysis, are not known to emit PM<sub>2.5</sub> and, therefore, the following discussion focuses on the cancer risk level and chronic hazard index.

Based on the results of a Public Records Act request submitted to YSAQMD on December 2, 2021, the following permitted stationary sources of TACs were identified within a 1,000-foot radius of the project site boundary:<sup>16</sup>

<sup>15</sup> Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines* [pg. 2-2]. May 2017.

<sup>16</sup> Stephanie Holliday, Administrative Analyst/Public Information Officer for Yolo-Solano Air Quality Management District. Personal Communication [email] with Briette Shea, Senior Associate/Air Quality Technician for Raney Planning and Management. December 7, 2021.

- Valero (GDF);
- ARCO AM/PM (GDF);
- Gymboree (Two Diesel Engines/Emergency Generators);
- Chevron (GDF); and
- Chevron (Soil Vapor Extraction System).

As part of YSAQMD’s permitting process, a health risk assessment is conducted for each stationary source at the maximum permitted operating conditions over a 30-year exposure period. In order to present the most conservative analysis possible, Table 5 below presents the cancer risk and chronic hazard index associated with each existing stationary source, at the point of maximum impact (PMI), as determined in the HRA data provided by the YSAQMD. In addition, Table 5 includes the cancer risk and chronic hazard index associated with operations of the GDF proposed as part of the project, previously provided in Table 4.

<b>Table 5 Cumulative Cancer Risk and Hazard Index</b>		
<b>Stationary Source</b>	<b>Cancer Risk (per million persons)</b>	<b>Chronic Hazard Index</b>
Valero – GDF	10.00	0.05
ARCO AM/PM – GDF	10.46	0.05
Gymboree – Emergency Generators	13.13	0.00355
Chevron – GDF	6.70	-
Chevron – Soil Vapor Extraction System	29.92	0.124
Proposed GDF	3.17	0.01
<b>Total</b>	<b>73.38</b>	<b>0.23755</b>
<i>Thresholds of Significance</i>	<i>100</i>	<i>10.0</i>
<b>Exceed Thresholds?</b>	<b>NO</b>	<b>NO</b>
<b>Sources: AERMOD and HARP 2 RAST, September 2021 (see Appendix A).</b>		

As demonstrated in Table 5, the cumulative cancer risk and chronic hazard index associated with the operations of existing and proposed stationary sources of TACs would not exceed the BAAQMD’s cumulative health risk thresholds at any existing or proposed sensitive receptors. In addition, it is noted that this analysis is very conservative. The location of the PMI for each source varies, as well as the location for the maximally exposed receptor for the proposed project. As a result, no individual person would be exposed to the health risks presented above. The actual cumulative health risk at the maximally exposed receptor would be substantially less than the values presented above.

### **Conclusion**

Based on the above discussion, the proposed project would not expose any sensitive receptors to substantial concentrations of localized CO or TACs from construction or operations. Therefore, the proposed project would result in a **less-than-significant** impact related to the exposure of sensitive receptors to substantial pollutant concentrations.



- d. Emissions of pollutants have the potential to adversely affect sensitive receptors within the project vicinity. Pollutants of principal concern include emissions leading to odors, emissions of dust, or emissions considered to constitute air pollutants. Air pollutants have been discussed in sections “a” through “c” above. Therefore, the following discussion focuses on emissions of odors and dust.

### **Odors**

According to the YSAQMD, common types of facilities that are known to produce odors include, but are not limited to, wastewater treatment facilities, chemical or fiberglass manufacturing, landfills, auto body shops, composting facilities, food processing facilities, refineries, dairies, and asphalt or rendering plants.<sup>17</sup> While offensive odors rarely inflict physical harm, the YSAQMD notes that odors can still generate considerable distress among the public because of their unpleasant nature, which in turn, potentially leads to citizen complaints to local governments and the YSAQMD. 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 insensitivity of odor; the distance of odor source to sensitive receptors; wind direction; and sensitivity of the receptor.

Diesel fumes from construction equipment are often found to be objectionable; however, construction is temporary and construction equipment would operate intermittently throughout the course of a day, would be restricted to daytime hours, and would only occur over portions of the improvement area at a time. In addition, all construction equipment and operation thereof would be regulated per the In-Use Off-Road Diesel Vehicle Regulation. Project construction would also be required to comply with all applicable YSAQMD rules and regulations, particularly associated with permitting of air pollutant sources. The aforementioned regulations would help to minimize air pollutant emissions as well as any associated odors related to operation of construction equipment. Considering the short-term nature of construction activities, as well as the regulated and intermittent nature of the operation of construction equipment, construction of the proposed project would not be expected to create objectionable odors affecting a substantial number of people.

The proposed project would include a GDF, which could generate odorous emissions, as the property lines of the nearest existing single-family residences would be approximately 226 feet to the west of the commercial lot’s property line. However, the western boundary of the commercial lot would include landscaping consistent with the requirements established in Sections 18.33.070 and 18.33.090 of the City’s Municipal Code. Additionally, an eight-foot sound wall implemented along the commercial lot’s western perimeter would provide additional screening of odors. Furthermore, gas pumps are required to include vapor-recovery systems, which limit the release of gasoline vapors during vehicle refueling and underground tank refilling. Given the vegetation, sound wall, and required vapor recovery systems, odors would dissipate prior to reaching any nearby receptors. Therefore, the GDF would not result in emissions of odors that would adversely affect the nearest receptors.

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<sup>17</sup> Yolo-Solano Air Quality Management District. *Handbook for Assessing and Mitigating Air Quality Impacts*. July 11, 2007.

The YSAQMD regulates objectionable odors through Rule 2.5 (Nuisance), which prohibits any person or source from emitting air contaminants or other material that result in any of the following: cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; endanger the comfort, repose, health, or safety of any such persons or the public; or have a natural tendency to cause injury or damage to business or property. Rule 2.5 is enforced based on complaints. If complaints are received, the YSAQMD is required to investigate the complaint, as well as determine and ensure a solution for the source of the complaint, which could include operational modifications. Thus, although not anticipated, if odor complaints are made during construction or operation of the project, the YSAQMD would ensure that such odors are addressed and any potential odor effects reduced to less than significant.

### **Dust**

All projects within the YSAQMD are required to implement construction mitigation measures, such as a dust control program. The dust control program would ensure that water or dust palliatives would be applied to exposed surfaces, grading operations would not take place during periods of high winds, and construction-related trucks would be covered at the end of the day. In addition, the project would be required to comply with YSAQMD Rule 2.11, Particulate Matter Concentration, and Rule 2.19, Particulate Matter Process Emission Rate, as well as the best management practices (BMPs) noted in Policy NE-5.3 of the City's General Plan, which serve to reduce air pollutant emissions associated with the construction and operation of development projects.

Implementation of all applicable YSAQMD rules would ensure that construction of the proposed project would not result in substantial emissions of dust. Following project construction, vehicles operating within the project site would be limited to paved areas of the site. Thus, project operations would not include sources of dust that could adversely affect a substantial number of people.

### **Conclusion**

For the aforementioned reasons, construction and operation of the proposed project would not result in emissions (such as those leading to odors and dust) that would affect a substantial number of people, and a ***less-than-significant*** impact would result.

**IV. BIOLOGICAL RESOURCES.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

- a. The City of Dixon is one of 13 plan participants of the draft Solano Multispecies Habitat Conservation Plan (Solano HCP). Although the Solano HCP is currently in draft form and slated to be finalized in early 2022, the City has voluntarily chosen to participate in the draft Solano HCP and will be responsible for its implementation within the City limits. Moreover, policies within the City’s General Plan are consistent with the draft Solano HCP. The draft Solano HCP provides a framework for complying with State and federal endangered species regulations while allowing for covered activities such as new development/conversion of covered specific habitat for urban uses and flood control (i.e., flood control facilities, irrigation channel operations and maintenance). Covered activities also include habitat restoration, monitoring, and relocation of covered species. Covered species under the plan include a total of 36 species, including Swainson’s hawk and burrowing owl. As shown in Figures 4-21 and 4-22 of the draft Solano HCP, the project site is within the Irrigated Agriculture Conservation Area for Swainson’s hawk and burrowing owl, which requires mitigation measures to address potential impacts from proposed developments. Potential impacts to the foregoing species are discussed in further detail below.

A Biological Assessment Memorandum (BAM) was prepared for the proposed project by WRA Environmental Consultants (see Appendix B of this IS/MND).<sup>18</sup> The BAM evaluated the proposed project’s potential impacts to on-site special-status plants and wildlife

<sup>18</sup> WRA Environmental Consultants. *Memorandum: Dixon Property – Opportunities and Constraints Memorandum*. July 26, 2019.

species through evaluation of the 13.26-acre project site. An impact would include substantial adverse effects, 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 (CDFW) or U.S. Fish and Wildlife Service (USFWS). In addition, raptors (birds of prey), migratory birds, and other avian species are protected under the Migratory Bird Treaty Act of 1918 (MBTA) and California Fish and Game Code (CFGC) Section 3503.5. The BAM's analysis included review of background literature to determine the potential presence of sensitive vegetation communities, aquatic communities, and special-status plant and wildlife species. Resources reviewed for sensitive vegetation and aquatic features included aerial photography, mapped soil types, the California Native Plant Society (CNPS) Online Databases, the CDFW's California Natural Diversity Database (CNDDB), and the USFW's Information for Planning and Consultation (IPC) database. Additionally, a field survey was conducted on July 19, 2019, with site conditions noted as they relate to habitat requirements of special-status plant and wildlife species known to occur in the project vicinity. The results of the BAM's evaluation are discussed below.

### **Special-Status Plants**

The majority of the project site is composed of non-native annual grassland, dominated by wild oat (*Avena fatua*), ripgut brome (*Bromus diandrus*), and Italian rye grass (*Festuca perennis*). A small area within the project site along the western edge of the property contains ornamental trees and shrubs. In addition, a narrow strip of non-native herbaceous vegetation is present along the northern, eastern, and southern edges of the project site, which is inaccessible to discing equipment. Dominant vegetation in the strip consists of common mallow (*Malva neglecta*), prostrate knotweed (*Polygonum aviculare*), ripgut brome, Italian rye grass, perennial pepperweed (*Lepidium latifolium*), and flax-leaved horseweed (*Erigeron bonariensis*). Based on historical aerial imagery, the property appears to have been subject to agricultural activity since 1968. As far back as the 1960s, the location appears to have been maintained through regular discing and mowing activities. Due to the agricultural history and on-going discing and maintenance activities, the BAM concluded the project site does not include moderate or high potential for special-status plant species to occur within the project site.

Therefore, the proposed project's impact to special-status plant species would be less-than-significant.

### **Special-Status Wildlife**

The BAM evaluated the habitat within the project site that could potentially support special-status wildlife. Special-status wildlife species determined to have moderate or high potential to occur on-site are discussed below.

#### Swainson's Hawk

The project site contains grassland and trees, which may provide suitable nesting and foraging habitat for Swainson's hawk (*Buteo swainsoni*). In addition, a Swainson's hawk was documented nesting approximately 0.2-mile from the project site in 2006 (on a different property). The project site is not within a Swainson's Hawk Potential Reserve Area, as determined by the draft Solano HCP. However, the site is within the draft Solano HCP Swainson's Hawk Irrigated Conservation Area, and as such, construction activities would require mitigation measures for impacts to Swainson's hawk foraging habitat. The site's previous disturbance also reduces the potential prey base for the species.

Nevertheless, the BAM concluded that the property has moderate potential to support Swainson's hawk due to the number of nearby documented occurrences and nearby nest trees.

### Burrowing Owl

Burrowing owls (*Athene cunicularia*) occupy open areas and are dependent on burrowing mammals to provide burrows for shelter and nesting. The project site was highly disturbed and regularly disced prior to the field survey. As such, ground squirrels or suitable burrows, which are indicators of suitable habitat for burrowing owls, were not observed. However, a burrowing owl was documented within one mile of the project site, and ground squirrels have potential to move into the property from adjacent undeveloped land and establish burrows, which would provide suitable habitat for burrowing owls. Therefore, the BAM concluded that the species has moderate potential to occur on-site. The site is within the draft Solano HCP Irrigated Conservation Area for burrowing owl. Thus, project construction activities would require mitigation measures to address potential impacts.

### White-Tailed Kite and Migratory Birds and Raptors

The project site contains trees and open grassland, which could offer suitable nesting and foraging habitat for white-tailed kite (*Elanus leucurus*). Similar to Swainson's hawk, the project site offers a reduced prey base for white-tailed kite, due to the site's previous disturbance. However, due to nearby occurrences that have been recorded and the open nature of the project site, the BAM concluded that white-tailed kite has moderate potential to occur on-site.

Native birds may nest in trees, shrubbery, and on the ground within the project site. Most native birds have baseline protections under the CFGC and guidelines for protections under the federal MBTA. Each prohibits the intentional killing, collecting or trapping of covered species, including their active nests (those with eggs or young). Due to the suitable on-site habitat, the BAM concluded that native birds and raptors have potential to occur within the project site.

### **Conclusion**

Based on the above information, because Swainson's hawk, burrowing owl, white-tailed kite, and native birds and raptors protected under the MBTA and CFGC have moderate or high potential to occur on-site, the proposed project could have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species. Therefore, the project could result in a **potentially significant** impact.

### Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level. Certain mitigation measures identified in this section would only be required if the draft Solano HCP is adopted prior to issuance of grading permits for the proposed project. These measures are identified in the below section.

### *Swainson's Hawk Foraging Habitat*

IV-1 Pursuant to California Department of Fish and Wildlife (CDFW) guidelines, the applicant shall preserve an equal acreage of Swainson's hawk foraging habitat as is proposed for development (approximately 13.05 acres) (i.e., a

1:1 ratio). The preserved habitat shall be at a location approved by the CDFW. Preservation may occur through either:

- Payment of a mitigation fee to an established mitigation bank, or similar habitat development and management company, or the City of Dixon through a negotiated agreement (subject to approval by CDFW) between the City and the applicant. The monies shall be held in a trust fund, and used to purchase mitigation credits to offset the loss of suitable foraging habitat for Swainson's hawk. The credits would become incorporated into the mitigation bank, owned and operated by the habitat development and management company, and protected in perpetuity (consistent with CDFW guidelines); or
- Purchase of conservation easements or fee title of lands with suitable Swainson's hawk foraging habitat (consistent with CDFW guidelines).

If mitigation lands or a conservation easement have not been acquired prior to issuance of the building permit or grading permits, whichever occurs first, the City shall hold the applicant's contribution in a separate, interest-bearing account until the appropriate lands are identified (through consultation with CDFW and the City) and acquired by the City or preserved through other methods acceptable to the CDFW. The foregoing funds shall be used to compensate for the loss of Swainson's hawk foraging habitat.

#### *Swainson's Hawk Nesting Habitat*

IV-2

To avoid take of Swainson's hawk, project-related activities shall occur, when possible, between September 16 and February 28, outside of the Swainson's hawk nesting season.

Prior to the start of any project construction activities, a qualified biologist shall conduct protocol-level Swainson's hawk nesting surveys for active Swainson's hawk nests within 0.25-mile of the project site, in accordance with guidelines set by the Swainson's Hawk Technical Advisory Committee (SHTAC 2000), within all publicly accessible areas. For areas not publicly accessible, the biologist shall attempt to visually survey such areas from publicly accessible viewpoints. The SHTAC guidelines define five survey periods for Swainson's hawk: Period I: January 1-March 20; Period II: March 20-April 5; Period III: April 5-April 20; Period IV: April 21-June 10; and Period V: June 10-July 30. The guidelines prescribe a minimum of three surveys per survey period and recommend at least the two survey periods immediately prior to a project's initiation. The SHTAC guidelines specifically recommend that surveys be completed in Periods II, III, and V. Per the SHTAC guidelines, Swainson's hawks in the Solano County region typically incubate during June, and active nests can be difficult to find. Therefore, the draft Solano HCP states that June surveys shall not be acceptable for determining the absence of Swainson's hawk nests. The purpose of these surveys shall be to establish a base understanding of the location and activity of nesting Swainson's hawks within the vicinity of the

project site. A written summary of the survey results shall be submitted to the City of Dixon Community Development Department.

*If active nests are not found during preconstruction surveys, further mitigation is not necessary. Should any active Swainson's hawk nests be discovered within 0.25-mile of the project site, construction work (including grading, earthmoving, and any operation of construction equipment) shall not occur within a 0.25-mile buffer zone around an active Swainson's hawk nest, except as provided below. Construction-free buffers shall be identified on the ground with flagging, fencing, or by other easily visible means, and shall be maintained until the biologist has determined that the young have fledged.*

*The size of nest site buffer zones may be reduced only under the following conditions:*

- A site-specific analysis prepared by an approved biologist indicates that the nesting pair under consideration are not likely to be adversely affected by construction activities (e.g., the nest is located in an area where the hawks are habituated to human activity and noise levels comparable to anticipated construction work). CDFW must approve this analysis before construction may begin within 0.25-mile of a nest, or if the draft Solano HCP is adopted prior to the issuance of a grading permit for the proposed project, then Solano County Water Agency (SCWA), in consultation with the HCP Technical Review Committee, may approve the analysis.*
- Monitoring by an approved biologist is conducted for a sufficient time (during all construction activities for a minimum of 10 consecutive days following the initiation of construction), and the nesting pair does not exhibit adverse reactions to construction activities (e.g., changes in behavioral patterns, reactions to construction noise).*
- Monitoring is continued at least once a week through the nesting cycle at that nest. This longer-term monitoring may be reduced to a minimum of two hours in the morning and two hours in the afternoon during construction activities. However, additional and more frequent monitoring may be required if any adverse reactions are noted.*
- Monitoring reports are submitted to CDFW, or if the draft Solano HCP has been adopted prior to the issuance of a grading permit, monitoring reports are submitted to SCWA.*

IV-3

*If the draft Solano HCP is adopted prior to issuance of grading permits for the project, then the following mitigation shall be implemented if indirect Swainson's hawk nest impacts occur as a result of the project. According to the draft Solano HCP, an indirect effect can occur if project construction affects the nest such that active, Swainson's hawks are disturbed to a degree that causes, or is likely to cause: (a) injury to the nesting birds; (b) a decrease in productivity by substantially interfering with normal breeding, feeding, or sheltering behavior; or (c) nest abandonment by substantially*

*interfering with normal breeding, feeding, or sheltering behavior. Covered Activities within 250 feet of an active nest are presumed to have a long-term indirect effect on the nest.*

*Mitigation for indirect impacts to Swainson's hawk breeding habitat, including known or active nests, shall consist of the following:*

- The project applicant shall preserve an active nest site through purchase of occupied nest credits from an HCP-certified mitigation bank or approved project-specific reserve. If preserved active nest sites are unavailable, project proponents will provide funding to the HCP's Interim Nest Protection Program; or*
- Pay current nest-protection impact fee (the fee schedule for the draft Solano HCP has yet to be determined) and monitor the nest tree for a minimum of two nesting seasons following completion and occupancy of the project upon approval from SCWA and Resource Agencies. If the nest remains active or is affected by a subsequent project, the fee, with applicable interest, will be returned to the applicant; or*
- Demonstrate to and receive concurrence from SCWA and the Resource Agencies that the covered activity will not substantially increase disturbance to the nest site.*

### *Burrowing Owl*

*IV-4 Between 14 and 30 days prior to the start of construction activities, a take avoidance survey for burrowing owls shall be conducted by a qualified biologist. The take avoidance survey shall be conducted according to methods described in the Staff Report on Burrowing Owl Mitigation (CDFW 2012). The survey area shall include all suitable habitat on and within 200 meters of project impact areas, where accessible. A written summary of the survey results shall be submitted to the City of Dixon Community Development Department before any construction permits are issued.*

*IV-5 If project activities are undertaken during the breeding season (February 1-August 31) and active nest burrows are identified within or near project impact areas, a 200-meter disturbance-free buffer shall be established around the identified burrows prior to the start of construction activities. During the non-breeding season (September 1-January 31), resident owls occupying burrows in or near project impact areas shall be avoided through the establishment of a 50-meter disturbance-free buffer or passively relocated to alternative habitat as described below. Smaller buffer areas during the non-breeding season may be implemented with the presence of a qualified biological monitor during all activities occurring within 50 meters of occupied burrows. Buffers shall remain in place for the duration of project activities occurring within the vicinity of burrowing owl activity.*

*IV-6 During the non-breeding season (September 1-January 31), resident owls occupying burrows in project impact areas may be passively relocated to alternative habitat in accordance with a relocation plan prepared by a qualified biologist. In addition to the above mitigation measures,*



compliance with the draft Solano HCP avoidance and mitigation measures is warranted if burrowing owls move on to the site prior to construction. The draft Solano HCP avoidance and mitigation measures may be addressed concurrently with other habitat preservation and management requirements specified for other natural communities and covered species.

IV-7 Compensatory Mitigation, if Active Owl Dens are Present: If active burrowing owl dens are present and the project would impact active dens, the project applicant shall implement the following:

- If active owl burrows are present and the project would impact active burrows, the project applicant shall provide compensatory mitigation for the permanent loss of burrowing owl habitat consistent with the March 7, 2012, CDFW's Staff Report on Burrowing Owl Mitigation. Such mitigation may include the permanent protection of land, which is deemed to be suitable burrowing owl habitat through a conservation easement deeded to a non-profit conservation organization or public agency with a conservation mission, or the purchase of burrowing owl conservation bank credits from a CDFW-approved burrowing owl conservation bank.

If the same mitigation acreage would be utilized for multiple species (i.e., burrowing owl habitat and Swainson's hawk foraging habitat), the appropriate wildlife agency, in this case CDFW, must approve the mitigation lands and long-term management practices for the mitigation lands as suitable and compatible for all species for which the lands are to provide compensatory mitigation. Proof of CDFW's approval habitat "stacking" shall be provided to the City of Dixon Community Development Department.

Or,

- If the Solano HCP is adopted prior to issuance of grading permits for the project, then the applicant can comply with the burrowing owl mitigation measures in the Solano HCP.

### *Migratory Birds and Raptors*

IV-8 To the maximum extent practicable, vegetation planned for removal as part of the proposed project shall be removed during the non-breeding season (September 1 through January 31). If it is not possible to avoid vegetation removal during the breeding season (February 1 through August 31), preconstruction surveys shall be conducted by a qualified biologist no more than 14 days prior to the start of any such activities occurring during the breeding season.

The preconstruction survey shall include all trees, shrubs, or other areas of potential nesting habitat within the project footprint and within 250 feet for raptors and 50 feet for other birds where practicable and legal access allows. If the target species are deemed absent from the area, then no

*further mitigation shall be required, and construction shall commence within 14 days following the survey. A written summary of the survey results shall be submitted to the City of Dixon Community Development Department.*

IV-9 *If nesting raptors or migratory birds are detected during the survey, a suitable disturbance-free buffer shall be established around all active nests. The precise dimension of the buffer shall be determined by a qualified biologist at that time and may vary depending on factors such as location, species, topography, and line of sight to the construction area, and may be up to 250 feet. The buffer area(s) shall be enclosed with temporary fencing, and equipment and workers shall not enter the enclosed buffer areas. Buffers shall remain in place until it has been confirmed by a qualified biologist that all chicks have fledged and are independent of their parents.*

b,c. According to the evaluation conducted as part of the BAM, potential aquatic features are not located within or immediately adjacent to the project site. The location is entirely flat with elevations ranging from 66 to 67 feet above sea level. Given the timing of the evaluation, which took place in the summer, and the level elevations of the property, the BAM determined the site is highly unlikely to support aquatic features. As such, the proposed project would not have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the CDFW or USFWS. Similarly, the project would not have a substantial adverse effect on State or federally protected wetlands. Therefore, the project would result in a **less-than-significant** impact.

d. Movement corridors or landscape linkages are usually linear habitats that connect two or more habitat patches, providing assumed benefits to the species by reducing inbreeding depression and increasing the potential for recolonization of habitat patches. The project site, bounded to the north and east by North Lincoln Street and SR 113, respectively, is considered infill development. Existing structures surround the site, with commercial uses located to the north, across North Lincoln Street, heavy commercial uses to the east, across SR 113, light industrial businesses to the south, and single-family residences to the west. The project site was historically used for agriculture, having been subjected to previous disturbance through regular discing. Topographic maps indicate a watercourse, Dudley Creek, is located approximately 1,000 feet south of the site. However, at the surface level, the creek currently appears entirely absent. Additionally, the indicated path of Dudley Creek is separated from the project site by existing heavy commercial and light industrial development and associated parking areas.

Due to the disturbed nature of the project site, the property does not offer and is not adjacent to any prime habitat such as wetlands, riparian, or forest. As such, the potential for use of the site as a wildlife corridor or native wildlife nursery site is limited. Therefore, development of the proposed project would not substantially interfere 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, and a **less-than-significant** impact would occur.

e. Chapter 13.05 (Street Trees) of the City's Municipal Code sets forth the requirements of the City's Street Tree Ordinance, with projects that require the removal of street trees subject to the provisions of Section 13.05.070 of the Municipal Code, which necessitates

the obtaining of an encroachment permit and adherence to the conditions established therein. The proposed project would not include the removal of street trees; however, several trees are located within the project site, along the site's western boundary. General Plan Policy NE-1.15 requires the enhancement of tree health and the appearance of streets and other public spaces through regular maintenance as well as tree and landscape planting and care of the existing canopy. In addition, General Plan Policy NE-1.16 requires that the removal of, and damage to, trees due to construction-related activities be minimized and requires the replacement of trees lost to new development. Furthermore, Section 17.10.320 of the Municipal Code requires the configuration of subdivision lots and design of improvements to preserve indigenous natural resources, such as trees and shrubs, to the extent deemed reasonable by the approving authority.

An Arborist Report was prepared for the proposed project by Tree Associates to ascertain to what extent the existing on-site trees would be impacted by project implementation (see Appendix C of this IS/MND).<sup>19</sup> According to the Arborist Report, the project site contains 31 trees with trunk diameters of six inches or greater along the western property line of the site. Five trees are in fair-to-good health without significant health concerns. Thirteen trees are in fair condition, and the remaining 13 trees are in poor or poor-to-fair health. With respect to tree structure, 10 trees have fair-to-good or good structures, 17 trees have fair structures, and the remaining four trees have poor-to-fair or poor structure. All of the trees are suffering from drought stress, with the trees' health projected to decline further, absent irrigation. Even if the trees are irrigated in the immediate future, the Arborist Report advises that the health of the trees should be re-evaluated during the next summer for trees that are to be preserved as part of project implementation. Additionally, pyracantha (a shrub) has grown over the branches of several on-site trees, with the shade cast by the pyracantha foliage possibly killing some of the branches (or portions of the branches).

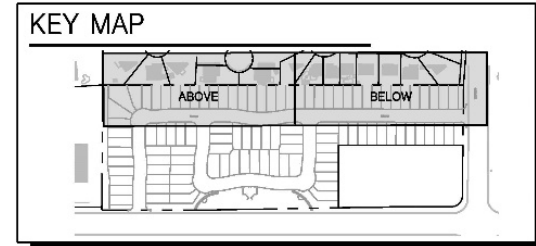
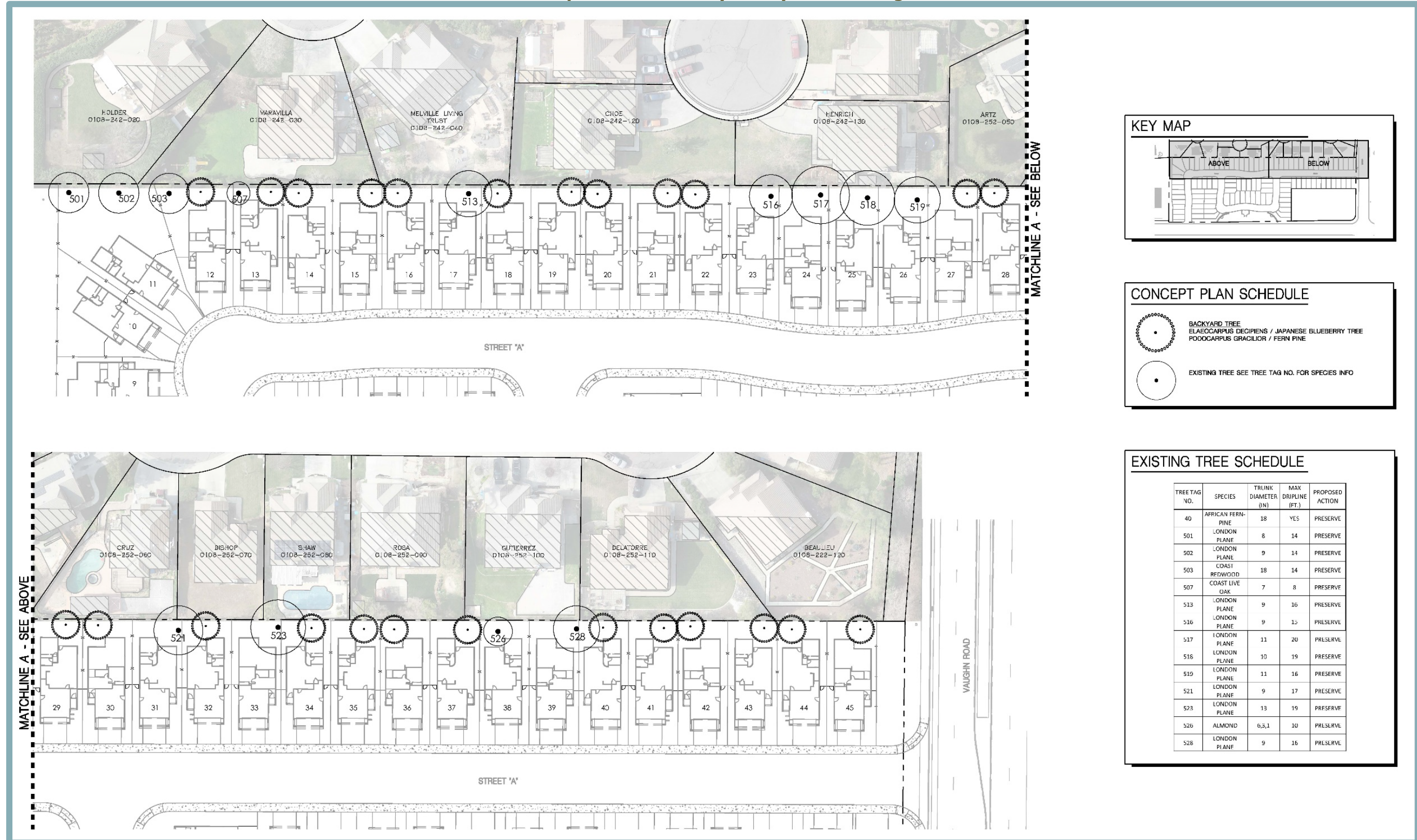
As shown in Figure 14, 13 of the on-site trees would be preserved as part of project implementation. According to the Arborist Report, all of the trees that would be preserved as part of the proposed project have, at a minimum, a fair tree structure, and none were judged to be in poor health. Consistent with General Plan Policy NE-1.16, the project would include the planting of 25 new trees along the western property line, consisting of Japanese blueberry trees and fern pines, representing a net increase of seven on-site trees along the western boundary. Furthermore, as shown in Figure 12 and Figure 13, the proposed project would include additional landscaping, including new trees planted along the frontages of North Lincoln Street and SR 113, consistent with Section 18.33.090 of the Municipal Code.

In accordance with Section 18.33.070 of the Municipal Code, at least two street trees are required for each 50 feet of street frontage for the commercial component and one street tree for every 50 feet of linear street frontage for the residential components. In addition, consistent with Section 17.10.320 of the Municipal Code, the project site's coast live oak tree (Tag Number 507), an indigenous species, would be preserved. Based on the above, the proposed project would be consistent with applicable General Plan policies established to minimize damage to existing trees as part of new development. However, without appropriate provisions to ensure the 13 on-site trees are properly preserved during project construction, the project could conflict with General Plan Policy NE-1.16, related to minimizing damage to trees during construction activities.

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<sup>19</sup> Tree Associates. *Arborist Report, Lincoln Square Project, Dixon, California*. June 20, 2021.

**Figure 14**  
**Lincoln Square Preliminary Backyard Planting Plan**



**EXISTING TREE SCHEDULE**

TREE TAG NO.	SPECIES	TRUNK DIAMETER (IN)	MAX DRIPLINE (FT.)	PROPOSED ACTION
40	AFRICAN FERN-PINE	18	YES	PRESERVE
501	LONDON PLANE	8	14	PRESERVE
502	LONDON PLANE	9	14	PRESERVE
503	COAST REDWOOD	18	14	PRESERVE
507	COAST LIVE OAK	7	8	PRESERVE
513	LONDON PLANE	9	16	PRESERVE
516	LONDON PLANE	9	15	PRESERVE
517	LONDON PLANE	11	20	PRESERVE
518	LONDON PLANE	10	19	PRESERVE
519	LONDON PLANE	11	16	PRESERVE
521	LONDON PLANE	9	17	PRESERVE
523	LONDON PLANE	13	19	PRESERVE
526	ALMOND	6,3,1	10	PRESERVE
528	LONDON PLANE	9	16	PRESERVE

Based on the above, without appropriate provisions to ensure the 13 on-site trees are properly preserved during project construction, the proposed project could conflict with a local policy or ordinance protecting biological resources. Therefore, the project could result in a ***potentially significant*** impact.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

*IV-10            Prior to the approval of the final project improvement plans, the project applicant shall ensure that all Tree Preservation Guidelines established in the Arborist Report prepared for the proposed project are included in the project's improvement plans and building permit plans. The project plans shall include, but not be limited to, guidelines related to tree preservation measures, trunk locations, tree protection zones (TPZs), modified TPZs (MTPZs), and tree protection fences, as well as restrictions related to grading, compaction, trenching, rototilling, vehicle traffic, material storage, spoil, waste or washout, or any other disturbance within TPZs and/or MTPZs. Proof of compliance with all guidelines set forth in the Arborist Plan shall be subject to review and approval by the City of Dixon Community Development Department.*

- f. While the draft Solano HCP has not yet been adopted and is not projected to be finalized and adopted until early 2022, the City is one of 13 plan participants and has voluntarily chosen to participate in the draft Solano HCP and is responsible for its implementation within the City limits. The draft Solano HCP provides a framework for complying with State and federal endangered species regulations while allowing for covered activities such as new development/conversion of covered specific habitat for urban uses and flood control. Covered activities also include habitat restoration, monitoring, and relocation of covered species. Covered species under the plan include a total of 36 species, including Swainson's hawk and burrowing owl. As discussed under question 'a' of this section, the proposed project would be required to comply with all applicable measures set forth in the draft Solano HCP related to the plan's covered species.

Based on the above, the proposed project would not conflict with the provisions of an adopted HCP, Natural Community Conservation Plan, or other approved local, regional, or State HCP. Therefore, the project would result in a ***less-than-significant*** impact.

**V. CULTURAL RESOURCES.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
b. Cause a substantial adverse change in the significance of a unique archaeological resource pursuant to Section 15064.5?	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>	<input type="checkbox"/>
c. Disturb any human remains, including those interred outside of dedicated cemeteries.	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion**

- a. Historical resources are features that are associated with the lives of historically important persons and/or historically significant events, that embody the distinctive characteristics of a type, period, region or method of construction, or that have yielded, or may be likely to yield, information important to the pre-history or history of the local area, California, or the nation. Examples of typical historical resources include, but are not limited to, buildings, farmsteads, rail lines, bridges, and trash scatters containing objects such as colored glass and ceramics.

A Cultural Resources Study (CRS) was prepared for the proposed project by Tom Origer & Associates to determine to what extent historical and archaeological resources could be impacted by the proposed project (see Appendix D of this IS/MND).<sup>20</sup> The CRS included examination of the library and project files at Tom Origer & Associates to assess the potential of project activities encountering archaeological sites and built environment within the study area (the 13.26-acre project site). In addition, a review was completed of the archaeological site base maps and records, survey reports, and other materials on file at the Northwest Information Center (NWIC) at Sonoma State University in Rohnert Park, California. Sources of information included, but were not limited to, the current listings of properties on the National Register of Historic Places, California Historical Landmarks, California Register of Historical Resources, and California Points of Historical Interest as listed in the California Office of Historic Preservation’s *Historic Property Directory* and the *Built Environment Resources Directory*. Archival research included an examination of 19<sup>th</sup> and 20<sup>th</sup> century maps and aerial photographs to gain insight into the nature and extent of historical development in the general project vicinity as well as within the study area. Ethnographic literature that describes appropriate Native American groups, county histories, and other primary and secondary sources were also reviewed. Lastly, a field survey of the study area was completed on September 9, 2021. Surface examination consisted of the surveyor walking in 15-meter transects, with a hoe used, as needed, to expose the ground surface. Ground visibility ranged from good to excellent, with vegetation being the primary hindrance. Based on the records review and site reconnaissance, the CRS determined the study area does not contain historical resources.

Based on the above, the proposed project would not cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5. Therefore, the project would result in a **less-than-significant** impact.

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<sup>20</sup> Tom Origer & Associates. *Cultural Resources Study for the Lincoln Square Project, Dixon, Solano County, California*. October 5, 2021.

- b,c. According to the CRS, the project site was previously subjected to a cultural resources study in 1992, which did not identify resources within the site. Four previous studies have been conducted within a quarter-mile of the site, resulting in the identification of two resources, the closest of which was documented 25 meters to the west of the site. The resource was described as containing three pieces of debitage, three cores, and some fire-affected rock spread out over approximately 1,250 square meters, though midden soils were not observed. In 1995, an investigation involving the excavation of a series of backhoe trenches was conducted at the project site. Only one piece of bone (the species of which was not identified) was found during the investigation. Based on the sparse number of specimens documented in 1992 and virtually nothing found during the 1995 investigation, the previous studies concluded that the site did not have any data or research potential.

While known resources do not exist within the project site, the CRS noted that potential exists for unidentified subsurface deposits to be encountered within the site. Based on landform age and analysis of the site's environmental setting, the CRS determined that the site has moderate potential to contain buried archaeological site indicators, due to its flat topography and being located 230 meters from a source of fresh water. The moderate rating is based on a model for predicting a location's sensitivity for buried archaeological sites, which was formulated as part of the technical report *San Francisco Bay-Delta Regional Context and Research Design for Native American Archaeological Resources, Caltrans District 4*. A location's sensitivity is scored on a scale of one to 10, with a moderate rating having a score of three to 5.5. The project site has a rating of 4.75.

CEQA Guidelines Section 15064.5(f) requires the lead agency for a project to ensure that provisions are made for accidentally discovered resources. In addition, California Health and Safety Code Section 7050.5 and PRC Section 5097.98 require that any human remains discovered within the project site be treated with respect and dignity. Upon discovery of human remains, all work in an area must cease immediately within 50 feet of the find, with nothing disturbed and the area secured. The coroner's office of the county where the remains are located must be called, and the coroner has two working days to examine the remains. All parties that discover human remains in California are required to follow a well-defined process. Because previously unknown archaeological resources, including human remains, could exist in the project vicinity, such resources have the potential to be uncovered during ground-disturbing activities at the project site. In addition, in response to project notification letters sent in compliance with AB 52, the CRS includes recommendations to address potential impacts related to unknown tribal cultural resources, as discussed in further detail in Section XVIII, Tribal Cultural Resources, of this IS/MND.

Based on the above, the proposed project could cause a substantial adverse change in the significance of a unique archaeological resource pursuant to CEQA Guidelines Section 15064.5 and/or disturb human remains, including those interred outside of dedicated cemeteries, during construction. Therefore, without mitigation, impacts could be considered ***potentially significant***.

#### Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level.

V-1

*If archaeological resources are encountered during subsurface excavation activities, the City and Yocha Dehe Wintun Nation (Tribe) shall be notified immediately and all construction activities within a 100-foot radius of the resource shall cease. In accordance with the Tribe's Treatment Protocol for Handling Human Remains and Cultural Items Affiliated with the Yocha Dehe Wintun Nation, treatment of all cultural items, including ceremonial items and archeological items shall reflect the religious beliefs, customs, and practices of the Tribe. All cultural items, including ceremonial items and archeological items, which may be found at the project site shall be turned over to the Tribe for appropriate treatment, unless otherwise ordered by a court or agency of competent jurisdiction. The project proponent shall waive any and all claims to ownership of tribal ceremonial and cultural items, including archeological items, which may be found on the project site, in favor of the Tribe. If any intermediary is necessary (for example, an archaeologist retained by the project proponent), said entity or individual shall not possess those items for longer than is reasonably necessary, as determined solely by the Tribe.*

*If additional significant sites or sites not identified as significant in the project environmental review process, but later determined to be significant, are located within the project impact area, such sites shall be subjected to further archeological and cultural significance evaluation by the project proponent, the City of Dixon, and the Tribe to determine if additional mitigation measures are necessary to treat sites in a culturally appropriate manner, consistent with CEQA requirements for mitigation of impacts to cultural resources. If human remains are present that have been identified as Native American, all work shall cease for a period of up to 30 days in accordance with federal Law.*

*The City shall require that the applicant include a standard inadvertent discovery clause in every construction contract to inform contractors of the foregoing requirements. Any previously undiscovered resources found during construction shall be recorded on appropriate California Department of Parks and Recreation forms and evaluated for significance in terms of California Environmental Quality Act criteria by a qualified cultural resources specialist and Native American Representative from the Tribe. If the resource is determined to be significant under CEQA, the City and Native American Representative from the Tribe shall determine whether preservation in place is feasible. Such preservation in place is the preferred mitigation. If such preservation is infeasible, the Native American Representative from the Tribe shall prepare and implement a research design and archaeological data recovery plan for the resource. The Native American Representative from the Tribe shall also conduct appropriate technical analyses, prepare a comprehensive written report and file it with the appropriate information center (California Historical Resources Information System), and provide for the permanent curation of the recovered materials.*

V-2

*In accordance with the Tribe's Treatment Protocol for Handling Human Remains and Cultural Items Affiliated with the Yocha Dehe Wintun Nation, if Native American human remains are found during the course of the*



*proposed Project, the determination of Most Likely Descendant (“MLD”) under California PRC Section 5097.98 shall be made by the Native American Heritage Commission (“NAHC”), upon notification to the NAHC of the discovery of said remains at the project site. If the location of the site and the history and prehistory of the area is culturally-affiliated with the Tribe, the NAHC shall contact the Tribe. A tribal member shall be designated by the Tribe to consult with the landowner and/or project proponents. Should the NAHC determine that a member of an Indian tribe other than Yocha Dehe Wintun Nation is the MLD, and the Tribe is in agreement with this determination, the terms of this protocol relating to the treatment of such Native American human remains shall not be applicable; however, that situation is very unlikely.*

*In the event that Native American human remains are found during development of the proposed project and the Tribe or a member of the Tribe is determined to be MLD pursuant to the above requirements of the Protocol, the following provisions shall apply. The Medical Examiner shall immediately be notified, ground-disturbing activities in that location shall cease, and the Tribe shall be allowed, pursuant to California PRC Section 5097.98(a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and grave goods should be treated and disposed of with appropriate dignity.*

*The Tribe shall complete its inspection and make its MLD recommendation within 48 hours of getting access to the site. The Tribe shall have the final determination as to the disposition and treatment of human remains and grave goods. Said determination may include avoidance of the human remains, reburial on-site, or reburial on tribal or other lands that will not be disturbed in the future.*

*The Tribe may wish to rebury said human remains and grave goods or ceremonial and cultural items on or near the site of their discovery, in an area which will not be subject to future disturbances over a prolonged period of time. Reburial of human remains shall be accomplished in compliance with the California PRC Sections 5097.98(a) and (b).*

*The term “human remains” encompasses more than human bones because the Tribe’s traditions call for the burial of associated cultural items with the deceased (funerary objects), and/or the ceremonial burning of Native American human remains, funerary objects, grave goods, and animals. Ashes, soils and other remnants of these burning ceremonies, as well as associated funerary objects and unassociated funerary objects buried with or found near the Native American remains are to be treated in the same manner as bones or bone fragments that remain intact.*

**VI. ENERGY.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>

**Discussion**

a,b. A description of the 2019 California Green Building Standards Code (CALGreen Code) and the Building Energy Efficiency Standards, with which the proposed project would be required to comply, as well as discussions regarding the proposed project’s potential effects related to energy demand during construction and operations are provided below.

**California Green Building Standards Code**

The 2019 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 on January 1, 2020.<sup>21</sup> 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 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’ MWEL0, or a local ordinance, whichever is more stringent, to reduce outdoor water use;
- Diversion of 65 percent of construction and demolition waste from landfills; and
- Mandatory use of low-pollutant emitting interior finish materials such as paints, carpet, vinyl flooring, and particle board.

**Building Energy Efficiency Standards**

The 2019 Building Energy Efficiency Standards is a portion of the CBSC, which expands upon energy efficiency measures from the 2016 Building Energy Efficiency Standards. The 2019 Building Energy Efficiency Standards are in effect for building permit applications submitted after January 1, 2020.

<sup>21</sup> California Building Standards Commission. *California Green Building Standards Code*. Available at: <https://www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen>. Accessed June 2021.

Energy reductions relative to previous Building Energy Efficiency Standards are achieved through various regulations, including requirements for the use of high-efficacy lighting, improved water heating system efficiency, and high-performance attics and walls. Under the current Building Energy Efficiency Standards, single-family homes built in 2020 must include photovoltaic (PV) generation, sized to meet the home's expected annual kilowatt-hour energy usage.<sup>22</sup> For nonresidential buildings, the most significant changes in compliance with the 2019 standards are in lighting design, alterations to a development's envelope, mechanical systems, and covered processes.<sup>23</sup>

### **Construction Energy Use**

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.

Even during the most intense period of construction, due to the different types of construction activities (e.g., site preparation, grading, building construction), only portions of the project site would be disturbed at a time, with operation of construction equipment occurring at different locations on the project site, rather than a single location. In addition, 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.

The CARB prepared the 2017 Climate Change Scoping Plan Update (2017 Scoping Plan),<sup>24</sup> which builds upon previous efforts to reduce GHG emissions and is designed to continue to shift the California economy away from dependence on fossil fuels. Appendix B of the 2017 Scoping Plan includes examples of local actions (municipal code changes, zoning changes, policy directions, and mitigation measures) that would support the State's climate goals. The examples provided include, but are not limited to, enforcing idling time

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<sup>22</sup> California Energy Commission. *2019 Building Energy Efficiency Standards: Frequently Asked Questions*. Available at: [https://www.energy.ca.gov/sites/default/files/2020-03/Title\\_24\\_2019\\_Building\\_Standards\\_FAQ\\_ada.pdf](https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf). Accessed June 2021.

<sup>23</sup> California Energy Commission. *California Energy Commission 2019 Building Energy Efficiency Standards What's New for Nonresidential*. Available at: <https://www.energy.ca.gov/media/3455>. Accessed June 2021.

<sup>24</sup> California Air Resources Board. *The 2017 Climate Change Scoping Plan Update*. Available at: [https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2030sp\\_pp\\_final.pdf](https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2030sp_pp_final.pdf). Accessed June 2021.

restrictions for construction vehicles, utilizing existing grid power for electric energy rather than operating temporary gasoline/diesel-powered generators, and increasing use of electric and renewable fuel-powered construction equipment. The In-Use Off-Road Diesel Vehicle Regulation and idling restriction regulations described above, with which the proposed project must comply, would be consistent with the intention of the 2017 Scoping Plan and the recommended actions included in Appendix B of the 2017 Scoping Plan.

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.

### **Operational Energy Use**

Following implementation of the proposed project, PG&E would provide electricity and natural gas to the project site. Energy use associated with operation of the proposed project would be typical of single-family residential uses and convenience store/gas station uses, requiring electricity and natural gas for interior and exterior building lighting, heating, ventilation, and air conditioning (HVAC), electronic equipment, machinery, 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 resident commutes, employee commutes, patrons to the project site, and the movement of goods.

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. As previously noted, each of the single-family residences would be required to include PV generation sized to meet all of the home's expected electricity needs. 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 Renewables Portfolio Standard, which requires investor-owned utilities, electric service providers, and community choice aggregators to increase procurement from eligible renewable energy resources to 33 percent of total procurement by 2020 and to 60 percent by 2030. Thus, in addition to the solar energy generated and consumed by the proposed residences, a portion of the energy consumed during the proposed convenience store/gas station's operations would also originate from renewable sources.

With regard to transportation energy use, the proposed project would comply with all applicable regulations associated with vehicle efficiency and fuel economy, including mandatory charging spaces for EVs. The convenience store parking lot would additionally include spaces for short-term bicycle parking. As discussed later in Section XVII, Transportation, of this IS/MND, the project site is also located within close proximity to existing residences, other commercial uses, bicycle infrastructure, and transit infrastructure.

## **Conclusion**

Based on the above, 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. Thus, a ***less-than-significant*** impact would occur.

**VII. GEOLOGY AND SOILS.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
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.	<input type="checkbox"/>	<input type="checkbox"/>	<b>×</b>	<input type="checkbox"/>
ii. Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<b>×</b>	<input type="checkbox"/>
iii. Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<b>×</b>	<input type="checkbox"/>
iv. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<b>×</b>	<input type="checkbox"/>
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<b>×</b>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>×</b>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<b>×</b>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>×</b>
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<b>×</b>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion**

The following is based on the Preliminary Geotechnical Report (PGR) prepared for the proposed project by ENGEО, Inc. (see Appendix E of this IS/MND).<sup>25</sup>

ai-aii. The project site is not located within a currently designated Alquist-Priolo Earthquake Fault Zone and known surface expressions of active faults are not believed to exist within the property. While the project site does lie within a seismically active region and numerous faults in the area are considered active, the project site is not within a currently established California Earthquake Hazard Zone for surface fault rupture hazards.<sup>26</sup> In addition, the project site does not include active faults with the potential for surface fault rupture directly beneath the site. Therefore, the potential for surface rupture due to faulting occurring beneath the site during the design life of the proposed development is considered low.

Additionally, the proposed buildings would be properly engineered in accordance with the CBSC, which includes engineering standards appropriate for the seismic area in which the project site is located. Proper engineering of the proposed project would ensure that seismic-related effects would not cause adverse impacts. Based on the above information, the proposed project would not directly or indirectly cause substantial adverse effects

<sup>25</sup> ENGEО, Inc. *Preliminary Geotechnical Report: Duffel 13 Dixon Property, Dixon, California*. July 24, 2019.

<sup>26</sup> California Department of Conservation. *Earthquake Zones of Required Investigation*. Available at: <https://maps.conservation.ca.gov/cgs/EQZApp/app/>. Accessed June 2021.

involving rupture of a known earthquake fault or strong seismic ground shaking, and a **less-than-significant** impact would occur.

a.iii, a.iv, The proposed project's potential effects related to liquefaction, landslides, lateral spreading, and subsidence are discussed in detail below.

### **Liquefaction and Subsidence**

Soil liquefaction is a state of soil particles suspension caused by a complete loss of strength when the effective stress drops to zero. Soils most susceptible to liquefaction are clean, loose, saturated, uniformly graded, fine-grained sands. Liquefaction normally occurs under saturated conditions in soils such as sand in which the strength is purely frictional. Primary factors that trigger liquefaction are: moderate to strong ground shaking (seismic source), relatively clean, loose granular soils (primarily poorly graded sands and silty sands), and saturated soil conditions (shallow groundwater). Due to the increasing overburden pressure with depth, liquefaction of granular soils is generally limited to the upper 50 feet of a soil profile. However, liquefaction has occurred in soils other than clean sand.

While the Association of Bay Area Governments Resilience Program's online Liquefaction Susceptibility Map shows the project site mapped as moderate liquefaction susceptibility, clean sands were not encountered in test pits completed as part of the site evaluation for the PGR. The PGR noted that based on ENGEO's experience with similar sites in the project area, clean sands are unlikely to be encountered at depth. Therefore, the PGR concluded the potential for liquefaction at the project is low during seismic shaking.

Subsidence is the settlement of soils of very low density generally from either oxidation of organic material, or desiccation and shrinkage, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. Given that the proposed project would comply with the CBSC, the potential for subsidence to pose a risk to the proposed development is relatively low.

### **Landslides and Lateral Spreading**

Seismically-induced landslides are triggered by earthquake ground shaking. The risk of landslide hazard is greatest in areas with steep, unstable slopes. The project site is entirely flat with elevations ranging from 66 to 67 feet above sea level. Thus, the proposed project does not include the potential hazard of a landslide.

Lateral spreading is horizontal/lateral ground movement of relatively flat-lying soil deposits towards a free face such as an excavation, channel, or open body of water; typically, lateral spreading is associated with liquefaction of one or more subsurface layers near the bottom of the exposed slope. The project site, entirely flat, is not located near any open faces that would be considered susceptible to lateral spreading. Therefore, the potential for lateral spreading to pose a risk to the proposed development is relatively low.

### **Conclusion**

Based on the above, the distance of the project site from the nearest active fault, the relatively flat topography of the project site, acceptable subsurface conditions, and compliance with the CBSC would ensure that the proposed project would not be susceptible to on-site liquefaction, landslides, lateral spreading, or subsidence. Therefore, the project would not directly or indirectly cause potential substantial adverse effects,

including the risk of loss, injury, or death involving liquefaction or landslides, and would not 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. Thus, a **less-than-significant** impact would occur.

- b. Erosion refers to the removal of soil from exposed bedrock surfaces by wind or water. Although naturally occurring, erosion is often accelerated by human activities that disturb soil and vegetation. The topography of the project site is relatively level, and upon development of the site with buildings and structures, the amount of exposed soil that may be lost due to wind or stormwater runoff would be minimized. However, development of the site, primarily during the early stages of construction activities, would cause ground disturbance of mostly topsoil, potentially resulting in wind erosion or an accelerated rate of erosion during storm events. The proposed project would include grading and development of the project site with a 102-lot single-family residential community, a convenience store, a fueling canopy, a car wash, parking areas, and associated improvements. The ground disturbance would be limited to the areas proposed for grading and excavation, including building pads; curb, gutter, and sidewalk improvement areas; and drainage, sewer, and water infrastructure alignments. After grading and excavation and prior to overlaying the disturbed ground surfaces with impervious surfaces and structures, the potential exists for wind and water erosion to occur, which could adversely affect downstream storm drainage facilities.

Chapter 16.04 of the City's Municipal Code sets forth rules and regulations to control land disturbances, landfill, soil storage, pollution, and erosion and sedimentation resulting from new development and redevelopment, and establishes procedures for the issuance, administration and enforcement of permits for such activities. New development within the City that disturbs one or more acres of land is required to comply with the National Pollutant Discharge Elimination System (NPDES) Construction General Permit. The proposed project would disturb 13.26 acres, and therefore, would be subject to the City's NPDES requirements. As part of compliance with the Construction General Permit, the proposed project would be required to prepare a Storm Water Pollution Prevention Plan (SWPPP), incorporating BMPs or equivalent measures designed to control surface runoff and erosion, retain sediment on-site, and prevent pollution of site runoff during the period in which preconstruction- and construction-related grading and/or soil storage occur, and before final improvements or permanent structures are completed. BMPs to prevent erosion-related impacts include, but are not limited to, minimizing the disturbed area to the maximum extent feasible; phased construction to minimize the duration of exposed soil; diversion ditches or berms to direct on-site stormwater runoff to a sediment-trapping structure; stabilization of exposed soils in areas where construction activities have ceased, including through temporary seeding, blankets and mats, and/or the use of soil blinders; and storm drain inlet protection through the use of inlet filters, such as silt fencing and/or rock-filled bags.

In addition, in accordance with the provisions of Section 16.04.040 of the City's Municipal Code, the proposed project would be required to prepare a Post-Construction Erosion and Sediment Control (ESC) plan. The Post-Construction ESC plan would be required to include sufficient engineering analysis to show that the project's proposed post-construction stormwater management measures are capable of controlling runoff from the project site in compliance with the Clean Water Act (CWA), all applicable standards and regulations set forth by Chapter 16.04 of the Municipal Code, and such standards and specifications as may be adopted by the City pursuant to Chapter 16.04.



Finally, because the project site is completely flat and not located near bodies of water, the property would not be likely to experience heavy erosion. Thus, with implementation of the ESC plan and Post-Construction ESC plan, construction associated with the proposed project would not result in substantial soil erosion or loss of topsoil, and a **less-than-significant** impact would occur.

- d. Expansive soils change in volume with changes in moisture and can shrink or swell, causing heaving and cracking of slabs-on-grade, pavements, and structures founded on shallow foundations. As part of the PGR's analysis, seven test pits were excavated on-site at a maximum depth of 12.5 feet. Variable soil materials were encountered near the ground surface that predominantly consisted of medium plasticity clays. Laboratory test data and ENGEO's experience with similar soils in the project vicinity indicate that the soils are potentially expansive. In addition, results from the test pit excavations indicated portions of the project site are underlain by non-engineered fill, as fill was encountered up to 3.5 feet deep in three test pits. Nonengineered fill can undergo excessive settlement, especially under new fill or building loads.

The proposed project would be required to comply with all applicable CBSC standards to ensure the structural integrity of the proposed structures. The PGR includes recommendations to address potential impacts related to expansive soils and settlements, including measures pertaining to foundations, pavements, existing fill removal, fill compaction, acceptable fill, slope gradients, and the completion of a design-level geotechnical report that would involve additional subsurface exploration based on the development layout, further delineation of undocumented fills, additional laboratory testing of on-site soils, and specific recommendations for site grading, foundations, sound and/or retaining walls, and utility trench backfill.

Based on the above, without compliance with the recommendations contained in the PGR, expansive soils potentially located on-site could impact the proposed project, creating substantial direct or indirect risks to life or property. Therefore, the project could result in a **potentially significant** impact.

#### Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

- VII-1 *In conjunction with the submittal of improvement plans, the project applicant shall submit a Design-Level Geotechnical Report for the proposed project, prepared by a licensed geotechnical engineer. The Design-Level Geotechnical Report shall include additional subsurface exploration based on the development layout, further delineation of undocumented fills, additional laboratory testing of on-site soils, and specific recommendations for site grading, foundations, sound and/or retaining walls, and utility trench backfill. The findings and recommendations contained in the Design-Level Geotechnical Report shall be incorporated into the project plans. Proof of compliance with all recommendations specified in the Design-Level Geotechnical Report shall be subject to review and approval by the City Engineer.*

- e. Sewer collection for the proposed project would be provided by connection to the City's sewer system. The construction or operation of septic tanks or other alternative wastewater disposal systems is not included as part of the project. Therefore, **no impact** regarding the capability of soil to adequately support the use of septic tanks or alternative wastewater disposal systems would occur.
- f. Paleontological resources are the fossil remains or traces of past life forms, including both vertebrate and invertebrate species, as well as plants. The General Plan EIR evaluated the potential for development facilitated by buildout of the General Plan Planning Area to result in impacts to unique paleontological resources or sites. As noted therein, PRC Sections 5097 to 5097.6 prohibit the unauthorized disturbance or removal of paleontological resources. In addition, the General Plan EIR includes MM-GEO-1, which requires that the City establish a procedure for the management of paleontological materials found on-site during a project's development. As part of such management, if materials are found on-site during grading, MM-GEO-1 requires that work must be halted until a qualified professional evaluates the find to determine if it represents a significant paleontological resource, and, if the resource is determined to be significant, the paleontologist must supervise removal of the material and determine the most appropriate archival storage of the material. Significant resources must be prepared, catalogued, and archived at the applicant's expense and must be retained within the County, if feasible. The proposed project would be subject to PRC Sections 5097 to 5097.6 and the provisions of MM-GEO-1.

Based on the above, without compliance with PRC Sections 5097 to 5097.6 and General Plan Mitigation Measure MM-GEO-1, the proposed project could directly or indirectly destroy a unique paleontological resource or site or unique geologic feature. Therefore, the project could result in a **potentially significant** impact.

#### Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

*VII-1 Pursuant to MM-GEO-1 of the City of Dixon General Plan EIR, the project applicant shall implement the following requirements:*

- *Establish a procedure for the management of paleontological materials found on-site during a development, including the following provisions:*
  - *If materials are found on-site during grading, require that work be halted until a qualified professional evaluates the find to determine if it represents a significant paleontological resource.*
  - *If the resource is determined to be significant, the paleontologist shall supervise removal of the material and determine the most appropriate archival storage of the material.*

*Appropriate materials shall be prepared, catalogued, and archived at the applicant's expense and shall be retained within Solano County if feasible.*

*The above requirements shall be included in the notes on construction drawings, subject to review and approval by the City of Dixon Community Development Department, prior to initiation of any ground-disturbing activities.*

**VIII. GREENHOUSE GAS EMISSIONS.**

*Would the project:*

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gasses?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<sub>2</sub>) and, to a lesser extent, other GHG pollutants, such as methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O) associated with area sources, mobile sources or vehicles, utilities (electricity and natural gas), water usage, wastewater generation, and the generation of solid waste. The common unit of measurement for GHG is expressed in terms of annual metric tons of CO<sub>2</sub> equivalents (MTCO<sub>2</sub>e/yr).

A number of regulations currently exist related to GHG emissions, predominantly AB 32, Executive Order S-3-05, and SB 32. AB 32 sets forth a statewide GHG emissions reduction target of 1990 levels by 2020. Executive Order S-3-05 sets forth a transitional reduction target of 2000 levels by 2010, the same target as AB 32 of 1990 levels by 2020, and further builds upon the AB 32 target by requiring a reduction to 80 percent below 1990 levels by 2050. SB 32 also builds upon AB 32 and sets forth a transitional reduction target of 40 percent below 1990 levels by 2030. In order to implement the statewide GHG emissions reduction targets, local jurisdictions are encouraged to prepare and adopt area-specific GHG reduction plans and/or thresholds of significance for GHG emissions. As noted in the General Plan EIR, the City of Dixon intends to adopt and begin to implement a Climate Action Plan (CAP) within 18 to 36 months of the adoption of the General Plan. However, the City does not currently have a CAP.

The proposed project's GHG emissions for both construction and operation were quantified with CalEEMod using the same assumptions as presented in the Air Quality section of this IS/MND, and compared to the applicable thresholds of significance. The proposed project's required compliance with the current California Building Energy Efficiency Standards Code was assumed in the modeling. In addition, the CO<sub>2</sub> intensity factor within the model was adjusted to reflect the PG&E's anticipated progress towards statewide renewable portfolio standard goals. All CalEEMod results are included in Appendix A to this IS/MND.

The YSAQMD, in their *Handbook for Assessing and Mitigating Air Quality Impacts*, acknowledges that new emissions generated by development projects could potentially conflict with existing GHG emissions reductions targets, and thus, a need for development of GHG emissions thresholds exists. However, the YSAQMD has not yet established or adopted any such thresholds. The YSAQMD is currently recommending GHG analysis consistent with the SMAQMD adopted thresholds of significance. While SMAQMD recognizes that emissions from a single project cannot be determined to substantially impact overall GHG emissions levels in the atmosphere, an emissions threshold is useful to trigger further project review and assess mitigation. As such, SMAQMD designed emissions thresholds to ensure that 90 percent of new GHG emissions related to land use projects would be reviewed and assessed for mitigation. Thus, projects exceeding SMAQMD’s thresholds would constitute the vast majority of GHG emissions, and exceedance of the thresholds would allow for further project review contributing to the emissions reductions goals of AB 32, SB 32, the Scoping Plan, and relevant Executive Orders. SMAQMD has established a threshold for both construction and operational GHG emissions of 1,100 MTCO<sub>2</sub>e/yr. It should be noted that the nearby PCAPCD has independently adopted an operational threshold of 1,100 MTCO<sub>2</sub>e/yr, for use in project GHG analysis, while the El Dorado County Air Pollution Control District similarly recommends use of SMAQMD’s 1,100 MTCO<sub>2</sub>e/yr threshold.

**Construction-Related GHG Emissions**

Construction-related GHG emissions are a one-time release and are, therefore, not typically expected to generate a significant contribution to global climate change, as global climate change is inherently a cumulative effect that occurs over a long period of time and is quantified on a yearly basis. However, construction-related GHG emissions have been estimated for implementation of the project and such emissions have been compared to the applicable threshold of significance, as presented below in Table 5. Construction-related emissions were modeled using CalEEMod under the assumptions described in Section III, Air Quality, of this IS/MND.

<b>Table 6</b>	
<b>Maximum Unmitigated Construction-Related GHG Emissions</b>	
	<b>Project Emissions (MTCO<sub>2</sub>e)</b>
Proposed Project	623.45
<b>Applicable Threshold of Significance</b>	<b>1,100.00</b>
<b>Exceeds Threshold?</b>	<b>NO</b>
<i>Source: CalEEMod, November 2021 (see Appendix A).</i>	

As shown in the table, the proposed project’s total maximum annual construction emissions of 623.45 MTCO<sub>2</sub>e/yr would be below the YSAQMD-recommended 1,100 MTCO<sub>2</sub>e/yr threshold. Because the maximum annual and total construction GHG emissions for the project would be below the applicable threshold of significance, the proposed project would not be considered to generate construction-related GHG emissions that would have a significant impact on the environment.

### Operational GHG Emissions

The emissions of GHGs resulting from operations of the proposed project were estimated using CalEEMod, and such emissions have been compared to the applicable threshold of significance, as presented in Table 6 below.

<b>Table 7</b>	
<b>Maximum Unmitigated Operational GHG Emissions (MTCO<sub>2</sub>e/yr)</b>	
<b>Emission Source</b>	<b>Project Emissions</b>
Area	1.26
Energy	223.63
Mobile	1,496.45
Solid Waste	56.68
Water	13.54
<b>Total Annual Operational GHG Emissions<sup>1</sup></b>	<b>1,791.56</b>
<b>Applicable Threshold of Significance</b>	<b>1,100.00</b>
<b>Exceeds Threshold?</b>	<b>YES</b>
<sup>1</sup> Rounding may result in small differences in summation.	
<b>Source: CalEEMod, November 2021 (see Appendix A).</b>	

As shown in the table, the anticipated GHG emission rate for the first year of full operations (2024) would be 1,791.56 MTCO<sub>2</sub>e/yr, which exceeds the YSAQMD-recommended 1,100 MTCO<sub>2</sub>e/yr threshold. Therefore, the proposed project could be considered to generate operational GHG emissions that would have a significant impact on the environment.

### Conclusion

Because implementation of the proposed project would result in construction-related GHG emissions below the applicable threshold of significance of 1,100 MTCO<sub>2</sub>e/yr, construction of the proposed project would not be considered to generate GHG emissions, directly or indirectly, that would have a significant impact on the environment. However, project operations would result in GHG emissions that would exceed the YSAQMD's thresholds of significance. Therefore, the proposed project could be considered to generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and the impacts could be considered **potentially significant**.

### Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

VIII-1      *Prior to issuance of the building permits, the project applicant shall demonstrate a project-wide 691.56 MTCO<sub>2</sub>e/yr reduction in GHG emissions (390.88 MTCO<sub>2</sub>e/yr for the residential component, and 300.68 MTCO<sub>2</sub>e/yr for the commercial component). Examples of measures that may be used to achieve the required GHG reduction may include, but are not limited to, the following:*

- *Orient buildings to maximize passive solar heating;*

- *Design all on-site development to achieve Zero Net Energy;*
- *Achieve third-party green building certifications, such as the GreenPoint Rated program, LEED rating system, the Living Building Challenge, or equivalent programs;*
- *Limit installation of natural gas infrastructure within developments of the project site, or design structures with the infrastructure necessary to allow for the conversion of all natural gas appliances to all-electric equivalents;*
- *Install electric vehicle charging infrastructure in excess of existing CBSC requirements;*
- *Install solar water heating;*
- *Install on-site renewable energy systems in excess of State or local standards for the commercial portion of the project;*
- *Provide outdoor electrical outlets to allow for use of electrically powered landscaping equipment at all residences and commercial development within the project site;*
- *Construct on-site or fund off-site carbon sequestration projects (such as tree plantings or reforestation projects). If off-site mitigation measures are proposed, the applicant must be able to show that the emission reductions from identified projects are real, permanent through the duration of the project, enforceable, and are equal to the pollutant type and amount of the project impact being offset. In addition, any off-site measures shall be subject to review and approval by the City of Dixon Community Development Department. If YSAQMD has established an off-site mitigation program at the time a development application is submitted, as an off-site mitigation measure, the applicant may choose to enter into an agreement with YSAQMD and pay into the established off-site mitigation program fund, where YSAQMD would commit to reducing the type and amount of emissions identified in the agreement; and*
- *Purchase carbon credits to offset project annual emissions. Should carbon credit be purchased, the credit purchases shall adhere to the following:*
  1. *Off-site credits shall be real, quantifiable, permanent, verifiable, enforceable, and additional, consistent with the standards set forth in California Health and Safety Code Section 38562, subdivisions (d)(1) and (d)(2). Such credits shall be based on protocols that are consistent with the criteria set forth in subdivision (a) of Section 95972 of Title 17 of the California Code of Regulations. Such credits must be purchased through one of the following:*
    - (i) *A California Air Resources Board (CARB)-approved registry, such as the Climate Action Reserve, the American Carbon Registry, and the Verified Carbon Standard;*
    - (ii) *Any registry approved by CARB to act as a registry under the California Cap and Trade program; or*

- (iii) Through the California Air Pollution Control Officers Association (CAPCOA) GHG Rx and the YSAQMD;*
  - (iv) In the event that no credits meeting these criteria are available within California, the applicant may purchase credits elsewhere so long as: (a) the Governor or the Governor's designee has made the findings set forth in Government Code Section 12894; (b) and these findings have been submitted to the Legislature; and (c) California has accepted the credits as meeting the linkage standards contained in Government Code Section 12894 or its successor statute.*
- 2. The applicant must show that the emission reductions from identified projects are real, permanent through the duration of the project (if it is a one-time purchase), enforceable, and are equal to the pollutant type and amount of the project impact being offset. In addition, any off-site purchase shall be subject to review and approval by the City of Dixon Community Development Department.*



**IX. HAZARDS AND HAZARDOUS MATERIALS.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Expose people or structures, either directly or indirectly, to the risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

The following discussions are based on a Phase I Environmental Site Assessment (Phase I ESA)<sup>27</sup> and Phase II ESA<sup>28</sup> prepared for the proposed project by Tetra Tech, Inc. (see Appendices F and G of this IS/MND).

- a. Projects that involve the routine transport, use, or disposal of hazardous materials are typically industrial in nature. As such, the proposed project’s single-family residential neighborhood would not involve the routine transport, use, disposal, or generation of substantial amounts of hazardous materials. The proposed project’s gas station component, however, would involve the routine transport and use of gasoline and diesel fuels through the gas station’s underground storage tanks (USTs) and fuel dispensers, as well as the storage and selling of automotive fluids through the location’s convenience store.

The underground storage of hazardous materials would be subject to the provisions of the California Health and Safety Code and Title 23 of the CCR. The proposed project would also be subject to regulations by the County’s Hazardous Materials Program (HMP), which is a part of the Solano County Department of Resource Management’s Environmental Health Services Division. The HMP is the Certified Unified Program Agency (CUPA) for all cities and unincorporate areas within the County. The Unified Program is a statewide program overseen by the California EPA (CalEPA) that delegates the responsibility of

<sup>27</sup> Tetra Tech, Inc. *Phase I Environmental Site Assessment: Duffel Property*. July 2019.

<sup>28</sup> Tetra Tech, Inc. *Duffel Property: Phase II Investigation*. July 2019.

applying regulatory standards established by State agencies to local agencies through inspections, permitting, and enforcement activities. The Unified Program encompasses regulatory standards from the Governor's Office of Emergency Services (OES), Department of Toxic Substances Control (DTSC), Office of the State Fire Marshal (OSFM), the State Water Resources Control Board, and CalEPA. The HMP regulates all of the program elements in the County by issuing permits, inspecting facilities, investigating complaints, and performing enforcement as necessary.

Pursuant to the requirements established by the HMP, the proposed project would be required to prepare a Hazardous Materials Business Plan (HMBP) to ensure impacts related to the proposed USTs would not occur. The HMBP is required for businesses with hazardous materials on-site and must detail the quantity of such materials stored on the premises, spill prevention and control measures, and an emergency response plan to address potential incidents related to such materials such as a release, fire, and/or disaster. In addition, pursuant to Section 13.5-14 of the Solano County Code, the proposed project would be required to obtain a permit for the use of USTs from the Solano County Department of Resource Management's Environmental Health Services Division. The information required to obtain said permit would include, but not be limited to, the following: a description of the age, size, type, location, uses, and construction of the USTs; a list of all of the hazardous substances that would be stored in the USTs, specifying the hazardous substances for each on-site UST; a description of the monitoring program for the UST system; the name and address of the UST owner, and if different from the owner, the name and address of the UST operator; and the address of the facility at which the UST is located.

Based on the above, the proposed project would be required to comply with all applicable provisions of the California Health and Safety Code and Title 23 of the CCR, as well as all applicable provisions set forth by the County's HMP, including the preparation of a HMBP and obtaining a permit for the proposed USTs. Compliance with such would ensure that impacts related to the routine transport, use, or disposal of hazardous materials would be ***less-than-significant***.

- b. A Phase I ESA was prepared for the proposed project for the purpose of identifying, to the extent possible based on available information, whether former activities at or near the project site may have involved or resulted in the use, storage, disposal, and/or release of hazardous or potentially hazardous substances to the environment. The Phase I ESA was prepared in conformance with the general scope and limitations of the American Society for Testing and Materials' ASTM Standard Practice E1527-13. Past and current uses of the project site and surrounding properties were evaluated by reviewing available historical map coverage, aerial photographs, and chain of title documents, as well as conducting personal interviews and site reconnaissance.

According to the Phase I ESA, the project site has remained generally undeveloped dating back to 1908. Prior to the development of land surrounding the property, ground markings within the site were consistent with irrigated agriculture, such as row crops. A Preliminary Title Report was provided as part of the evaluation, which did not list environmental liens or activity and use limitations associated with the property. Reconnaissance of the project site consisted of a visual inspection for the purpose of evaluating the location and neighboring properties for potential hazardous substance use, storage, and disposal, including the presence of storage tanks and drum storage, asbestos-containing materials, lead-based paint, and/or evidence of soil staining, stressed vegetation, ponds, pits,

sumps, suspicious odors, or any other condition indicative of potential contamination. The reconnaissance was conducted by walking the accessible areas of the project site and viewing the adjoining properties. The property was generally covered by green vegetation that had been mowed. Underground utility vaults and conduits were observed along the northern and eastern project boundaries. None of the aforementioned potentially hazardous substances were observed. However, based on interviews and review of previous environmental documents, the Phase I ESA concluded that irrigated agricultural production within the project site was active at a time when persistent pesticides may have been used. Accordingly, the Phase I ESA recommended a Phase II investigation to assess the property's potential for persistent pesticides within the near-surface soils.

As part of the Phase II ESA's analysis, 28 surface soil samples were collected throughout the project site. The samples were collected at a depth of zero to six inches below ground surface (BGS). The samples were then tested for the presence of organochlorine pesticides (OCPs) and arsenic. According to the U.S. Environmental Protection Agency (USEPA),<sup>29</sup> the health effects of pesticides depend on the type of pesticide, with adverse reactions ranging from irritation to the skin or eyes, to more serious effects, such as impacts to the nervous system or cancer. The health effects of arsenic include non-cancer effects, such as thickening and discoloration of the skin, nausea, numbness in hands and feet, partial paralysis, and blindness.<sup>30</sup> Arsenic has also been linked to cancer of the bladder, lungs, skin, kidney, nasal passages, liver, and prostate. Detectible concentrations of OCPs above the laboratory reporting limits within the seven composite samples were limited to Dichlorodiphenyldichloroethylene (DDE), Dichlorodiphenyltrichloroethane (DDT), and Endosulfan II. Additionally, concentrations of arsenic were detected above the laboratory reporting limit in each of the seven composite samples. However, the results of the laboratory analysis were compared to the DTSC's residential screening criteria, which provide chemical-specific numerical values that reflect the potency of a chemical or contaminant. None of the OCP or arsenic concentrations were detected above the screening criteria. Therefore, the Phase II ESA concluded further sampling is not warranted.

Construction activities associated with the proposed project would involve the use of various products such as concrete, paints, and adhesives. In addition, heavy-duty construction equipment would contain hydraulic fluid, diesel fuel, and other petroleum products. Small quantities of such potentially toxic substances 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 ordinances regulating the handling, storage, and transportation of hazardous and toxic materials, as overseen by CalEPA and DTSC. Compliance with all applicable regulations would ensure the proposed project does not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment during construction. Therefore, the project would result in a **less-than-significant** impact.

- c. The project site is not located within one-quarter mile of an existing or proposed school. The nearest existing school to the site, Gretchen Higgins Elementary School, is located

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<sup>29</sup> U.S. Environmental Protection Agency. *Human Health Issues Related to Pesticides*. Available at: <https://www.epa.gov/pesticide-science-and-assessing-pesticide-risks/human-health-issues-related-pesticides>. Accessed June 2021.

<sup>30</sup> U.S. Environmental Protection Agency. *Drinking Water Requirements for States and Public Water Systems*. Available at: <https://www.epa.gov/dwreginfo/chemical-contaminant-rules>. Accessed June 2021.

approximately 0.3-mile to the southwest. Therefore, the proposed project would have a **less-than-significant** impact related to hazardous emissions or the handling of hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.

- d. The proposed project would not be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.<sup>31</sup> Therefore, the project would not create a significant hazard to the public or the environment, and **no impact** would occur.
- e. The project site is not located within an airport land use plan. Furthermore, the nearest public-use airport is the University Airport, which is owned by the University of California (UC), operated by Transportation Services of UC Davis, and located approximately 4.8 miles to the northwest of the project site. The nearest private airstrip to the site is Maine Prairie Airport, located approximately 5.5 miles to the south. As such, the project site is not located within two miles of any public airports or private airstrips, and does not fall within an airport land use plan area. Therefore, **no impact** would occur.
- f. Implementation of the proposed project would not result in any substantial modifications to the City's existing roadway system. However, as discussed in further detail in Section XVII, Transportation, of this IS/MND, the project is estimated to generate approximately 1,818 vehicle trips per day (524 residential/1,294 retail), which would increase the volume of traffic on North Lincoln Street and SR 113.

The General Plan EIR evaluated the potential for development facilitated by buildout of the General Plan Planning Area to impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan and concluded that compliance with all applicable General Plan policies and implementing actions would ensure impacts would be reduced to a less-than-significant level. Policy NE-4.5 and Action NE-4.D ensure that the City's Emergency Operation Plan (EOP), which covers potential threats, is continually assessed and revised to maintain adequacy of the plan.<sup>32</sup> The EOP accounts for major earthquakes or liquefaction, fire, flood, dam failure, hazardous materials incidents, drought, and terrorist incidents and is managed by the Dixon Fire Department. Additionally, development resulting from buildout of the General Plan is subject to policies regarding facilitation of efficient transportation and service provision to ensure emergency access, such as Policy M-2.10 and Action M-2.B, which establish performance standards for each street type that include emergency vehicle use. Given that the proposed project would be consistent with the site's General Plan land use designation, buildout of the site with the proposed uses was generally evaluated in the General Plan EIR. The proposed project would be required to comply with all applicable policies set forth by the General Plan. Therefore, the project would not result in impacts beyond those identified in the General Plan EIR.

Based on the above, the project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan, and a **less-than-significant** impact would occur.

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<sup>31</sup> California Department of Toxic Substances Control. *Hazardous Waste and Substances Site List*. Available at: <https://dtsc.ca.gov/dtscs-cortese-list>. Accessed June 2021.

<sup>32</sup> City of Dixon. *Emergency Operation Plan*. Available at: [http://dixon-ca.granicus.com/MetaViewer.php?view\\_id=2&clip\\_id=697&meta\\_id=52675](http://dixon-ca.granicus.com/MetaViewer.php?view_id=2&clip_id=697&meta_id=52675). Accessed November 2021.

- g. Issues related to wildfire hazards are discussed in Section XX, Wildfire, of this IS/MND. As noted therein, according to the California Department of Forestry and Fire Protection's (CAL FIRE) Fire and Resource Assessment Program, the project site is located within a Local Responsibility Area (LRA) – Incorporated.<sup>33</sup> CAL FIRE has determined that the County does not contain Very High Fire Hazard (VHFH) Severity Zones in LRAs. Furthermore, the project site is located in a developed area of the City, the project would be consistent with what was anticipated for the site in the City's General Plan, and the General Plan EIR concludes that compliance with applicable federal, State, and local laws and regulations would ensure impacts related to wildland fire hazards would be less than significant. There is nothing peculiar about this site that would change the conclusion of the General Plan. Therefore, the proposed project would not expose people or structures to the risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands, and a ***less-than-significant*** impact would occur.

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<sup>33</sup> California Department of Forestry and Fire Protection. *Solano County: Fire Hazard Severity Zones In SRA*. Available at: [https://osfm.fire.ca.gov/media/6817/fhszs\\_map48.pdf](https://osfm.fire.ca.gov/media/6817/fhszs_map48.pdf). Accessed June 2021.

**X. HYDROLOGY AND WATER QUALITY.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
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:	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
i. Result in substantial erosion or siltation on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
iv. Impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>

**Discussion**

- a. The proposed project’s potential to result in water quality impacts during construction and operations is discussed in detail separately below.

**Construction**

Project construction activities such as grading, excavation, and trenching for site improvements would result in the disturbance of on-site soils. The exposed soils have the potential to affect water quality in two ways: 1) suspended soil particles and sediments transported through runoff; or 2) sediments transported as dust that eventually reach local water bodies. Spills or leaks from heavy equipment and machinery, staging areas, or building sites also have the potential to enter runoff. Typical pollutants include, but are not limited to, petroleum and heavy metals from equipment and products such as paints, solvents, and cleaning agents, which could contain hazardous constituents. Sediment from erosion of graded or excavated surface materials, leaks or spills from equipment, or inadvertent releases of building products could result in water quality degradation if runoff containing the sediment or contaminants should enter receiving waters in sufficient quantities. Impacts from construction-related activities would generally be short-term.

Water quality degradation is regulated by the federal NPDES Program, established by the CWA, which controls and reduces pollutants to water bodies from point and non-point discharges. In California, the NPDES permitting program is administered by the State Water Resources Control Board (SWRCB) through nine Regional Water Quality Control Boards (RWQCBs). As discussed in Section VII, Geology and Soils, of this IS/MND,

Section 16.04.040 of the Municipal Code requires new development within the City that disturbs one or more acres of land to comply with the NPDES General Construction Permit. Compliance with the Construction General Permit would include the preparation of a Storm Water Pollution Prevention Plan (SWPPP), which would incorporate BMPs to control sedimentation, erosion, and hazardous materials contamination of runoff during construction. Additionally, Section 16.04.040 of the Municipal Code necessitates that projects subject to the NPDES Construction General Permit prepare an ESC incorporating BMPs to control sedimentation, erosion, and hazardous materials contamination of runoff during construction. The proposed project would disturb 13.26 acres, and thus, would be subject to the State NPDES General Permit conditions.

### **Operation**

After project completion, impervious surfaces on the project site could contribute incrementally to the degradation of downstream water quality during storm events. During the dry season, vehicles and other urban activities may release contaminants onto the impervious surfaces, where they would accumulate until the first storm event. During the initial storm event, or first flush, the concentrated pollutants would be transported via stormwater runoff from the site to the stormwater drainage system and eventually a downstream waterway. Typical urban pollutants that would likely be associated with the proposed project include sediment, household pesticides, oil and grease, nutrients, metals, bacteria, and trash. In addition, stormwater runoff could cause soil erosion if not properly addressed and provide a more lucrative means of transport for pollutants to enter the waterways.

As detailed in the General Plan EIR, the City of Dixon is listed by the RWQCB as a NPDES Phase II program municipality. As such, permanent stormwater management measures for development in the City must be designed in accordance with the State's Phase II Small MS4 General Permit, the development standards of which have been adopted by reference in Section 16.06.120 of the City's Municipal Code. The Phase II Small MS4 General Permit requires that permanent stormwater control measures be incorporated into the proposed project to ensure that new development does not result in the discharge of polluted water or the increase in sources of polluted runoff. Regulated projects, under the Phase II Small MS4 General Permit, are required to divide the project area into DMAs and implement and direct water to appropriately-sized temporary control measures (TCMs), consistent with the sizing standards in Section E.12.e.(ii)(c) of the Provisions for all Small MS4 Permittees.<sup>34</sup> TCMs are designed after the inclusion of Site Design Measures (SDMs) consistent with the standards of Section E.12.b. and E.12.e.(ii)(d). Baseline Hydromodification Measures are implemented consistent with the prescriptive standards of Section E.12.e.(ii)(f). Regulated projects must additionally include source control BMPs where possible. The proposed project would be required to comply with the applicable standards set forth in Section 16.06.120 of the City's Municipal Code.

In addition, the proposed project would operate in accordance with the post-construction provisions contained in Section 16.04.040 of the Municipal Code, which requires a Post-Construction ESC plan. The Post-Construction ESC plan must include sufficient engineering analysis to show that the proposed post-construction stormwater

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<sup>34</sup> California State Water Resources Control Board. *Phase II Small Municipal Separate Storm Sewer System (MS4) Program*. Available at: [https://www.waterboards.ca.gov/water\\_issues/programs/stormwater/phase\\_ii\\_municipal.html](https://www.waterboards.ca.gov/water_issues/programs/stormwater/phase_ii_municipal.html). Accessed October 2021.

management measures are capable of controlling runoff from the project site in compliance with the CWA, all applicable standards and regulations set forth by Chapter 16.04 of the Municipal Code, and such standards and specifications as may be adopted by the City pursuant to Chapter 16.04. The Post-Construction ESC plan must include a statement of the proposed BMPs that would be used to secure the project following completion of construction; provisions for maintenance of all permanent stormwater management facilities; and a landscaping plan for management of vegetation at the site after construction is completed. Additionally, the project would be required to file a Stormwater BMP Operations and Maintenance Agreement with the City, prior to the approval of a grading permit.

During large storm events, stormwater runoff from on-site impervious surfaces would be directed to six DMAs within the project site that would treat and detain all on-site runoff prior to discharging to the City's existing stormwater drains located in North Lincoln Street and SR 113. In general, each DMA would consist of biotreatment soil mix to provide initial treatment before runoff is routed to the existing storm drain system adjacent to the site. The DMAs would be of various sizes and would be located as follows: (1) in the northwest corner of the subdivision, between the northern boundary of Lot 46 and North Lincoln Street; (2) to the north of the convenience store, parallel to North Lincoln Street; (3) to the east of the fueling canopy, parallel to SR 113; (4) to the west of the car wash; (5) to the east of residential Lots 86 to 102, parallel to SR 113; and (6) within the pocket park. The storm drain and retention system is designed to accommodate storage for runoff retention as required by the Central Valley RWQCB and would be required to be designed in accordance with Section 4 of the City's Engineering Design Standards, which contains the City's requirements for drainage design, including criteria for design runoff, hydraulic grade line, inlets, gutters, streets, manholes, and detention ponds.

### **Conclusion**

Based on the above, the proposed project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality during construction and operations. Therefore, a ***less-than-significant*** impact would occur.

- b,e. The General Plan EIR assessed the potential for buildout of the General Plan Planning Area to substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that development would impede sustainable groundwater management of the basin. As noted in the General Plan EIR, groundwater table stability is a balance between how much water infiltrates the aquifer and how much water is drawn out. The City is entirely dependent on groundwater drawn from the Solano Groundwater Subbasin. The groundwater levels of the Solano Groundwater Subbasin have been stable in each year since the 1980s, with low levels in the dry season and high levels in the wet season; however, the State has designated the subbasin as a medium-priority groundwater basin. As such, the subbasin is subject to the Sustainable Groundwater Management Act (SGMA), which requires the formation of local groundwater sustainability agencies that must assess conditions in local water basins and adopt locally based groundwater sustainability plans for at least 10 years for basins that cannot demonstrate sustainable yields. As a result, the City is a participant in the Solano Subbasin Groundwater Sustainability Agency (SSGSA), operating under a Joint Powers Authority (JPA) governance structure. The SSGSA is required to complete and maintain a plan for long-term sustainability of the subbasin. Currently, the Solano Subbasin Groundwater Sustainability Plan is scheduled to be finalized and submitted to the State Department of



Water Resources by January 31, 2022. The General Plan EIR concluded that compliance with SGMA legislation, which requires regularly demonstrating that the subbasin is not over-drafted, would ensure that groundwater draws from the Solano Groundwater Subbasin are carefully managed and sustainably used, and that as a result, buildout of the General Plan Planning Area would not substantially deplete groundwater supplies from increased demand.

Furthermore, the General Plan EIR determined that overall infiltration into the aquifer would remain robust through compliance with General Plan policies and existing regulations, such as the incorporation of BMPs and low-impact development (LID) techniques in projects. LID refers to systems and practices that use or mimic natural processes that result in the infiltration, evapotranspiration, or use of stormwater in order to protect water quality and associated aquatic habitat. LIDs include biofiltration to capture and infiltrate stormwater runoff consistent with the City's required compliance with NPDES permitting. Through compliance with existing federal, State, and local programs and regulations, the General Plan EIR concluded buildout of the General Plan Planning Area would result in a less-than-significant impact related to substantial depletion of groundwater supplies or substantial interference with groundwater recharge such that a net deficit in aquifer volume or a lowering of the local groundwater table level would occur. As previously discussed, the proposed project would be consistent with the project site's General Plan land use designation. Thus, the proposed project's groundwater demand would be generally consistent with the demand anticipated for the site in the General Plan.

Based on the above, the proposed project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Therefore, a ***less-than-significant*** impact would occur.

- ci-ciii. The project site consists of undeveloped land. Development of the proposed project would include impervious surfaces, which would alter the existing drainage pattern of the site. The project would include 2.61 acres of new neighborhood roadways and a 2.27-acre commercial lot, which would primarily consist of impervious surfaces. Additionally, the proposed residential community would be constructed upon 10.99 acres and include 102 single-family residential lots, consisting of both impervious and pervious (landscaping) surfaces. With respect to the pervious surfaces, each single-family lot would include front and back yards that would range in size from 706 to 711 sf. As discussed above, the proposed project would be required to comply with Section 16.04.040 of the Municipal Code and the City's Engineering Design Standards, which would ensure BMPs are incorporated in the Post-Construction ESC and that on-site stormwater runoff is diverted to DMAs for on-site retention and treatment prior to discharge to the City's stormwater system. As required by the City's Engineering Design Standards pertaining to drainage design, the proposed stormwater system would be designed not to affect the existing drainage patterns on adjacent properties.

Therefore, the proposed project would not substantially alter the existing drainage pattern of the site or area in a manner that would result in substantial erosion, siltation, or flooding on- or off-site, 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. Thus, a ***less-than-significant*** impact would occur.

- civ. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map number 06095C0200F, the project site is located within Zone X, Area of Minimal

Flood Hazard.<sup>35</sup> FEMA defines Zone X as an area not within a 100-year or 500-year floodplain. Therefore, the proposed project would not impede or redirect flood flows, and a **less-than-significant** impact would occur.

- d. As discussed above, the project site is not located within a flood hazard zone. The project area is located more than 65 miles from the Pacific Ocean and tsunamis typically affect coastlines and areas up to one-quarter mile inland. Therefore, due to the project site's distance from the coast, potential impacts related to a tsunami are not applicable. Additionally, the project site is not susceptible to impacts resulting from a seiche because of the site's distance from any enclosed bodies of water. Based on the above, the proposed project would not pose a risk related to the release of pollutants due to project inundation due to flooding, tsunami, or seiche, and **no impact** would occur.

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<sup>35</sup> Federal Emergency Management Agency. *Flood Insurance Rate Maps 06095C0200F, effective August 2, 2012*. Available at: <https://msc.fema.gov/portal/home>. Accessed June 2021.

**XI. LAND USE AND PLANNING.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>

**Discussion**

- a. A project risks dividing an established community if the project would introduce infrastructure or alter land use so as to change the land use conditions in the surrounding community or isolate an existing land use. The project site is currently undeveloped. Implementation of the proposed project would be consistent with the General Plan land use designation for the site. The project’s residential component would be compatible with the existing single-family residential neighborhood to the northwest, west, and southwest of the project site. The project would introduce a small-lot single family housing product in the newly created Corridor Mixed Use land use designation. The small-lot single family homes are designed at a density of 12 du/ac, the low end of the density range required for the CMU land use designation (12 to 28 du/ac). The project’s commercial component would be consistent with the existing commercial uses to the north and northeast of the site. The City’s existing roadway system would not be modified by the project. Additionally, the project would include sidewalk improvements along the new neighborhood roads to increase pedestrian connectivity in the project area. Therefore, the proposed project would be a continuation of the surrounding development and would not isolate an existing land use. As such, the project would not physically divide an established community, and a **less-than-significant** impact would occur.
- b. The proposed project would be generally consistent with Municipal Code standards and General Plan policies, as well as other applicable policies and regulations adopted for the purpose of avoiding or mitigating environmental effects. For example, with implementation of Mitigation Measures IV-1 through IV-9, the project would not conflict with any applicable policies, regulations, or ordinances related to the protection of biological resources, such as General Plan Policy NE-1.11, which requires the City to ensure that adverse impacts on sensitive biological resources, including special-status species, are avoided or mitigated to the greatest extent feasible. As discussed under Section XIII, Noise, of this IS/MND, the project would comply with the noise performance standards set forth in Section 18.28.030 of the City’s Municipal Code during project construction and operation with implementation of Mitigation Measure XIII-1, which would require that the project contractor implement noise-reducing measures during project construction.

Based on the above, the proposed project would not cause a substantial adverse 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, and a **less-than-significant** impact would result.

**XII. MINERAL RESOURCES.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>

**Discussion**

- a,b. According to the General Plan EIR, other than a few existing idle oil wells, mineral resources have not been identified in the General Plan Planning Area. Therefore, the proposed project would not 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 or in the loss of availability of a locally important mineral resource recovery site. Thus, the project would result in ***no impact***.

**XIII. NOISE.**

*Would the project result in:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

- a. The following is a discussion of the existing noise environment of the project site and surrounding vicinity, as well as an evaluation of the propose project’s construction and operational noise levels. The discussion is based on an Environmental Noise & Vibration Assessment (ENVA) prepared for the proposed project by Bollard Acoustical Consultants, Inc. (see Appendix H of this IS/MND).<sup>36</sup>

The following terms are referenced in the sections below:

- Decibel (dB): A unit of sound energy intensity. An A-weighted decibel (dBA) is a decibel corrected for the variation in frequency response to the typical human ear at commonly encountered noise levels. All references to decibels (dB) in this section will be A-weighted unless otherwise noted;
- Day-Night Average Level (DNL or  $L_{dn}$ ): The average sound level over a 24-hour day, with a +10 decibel weighing applied to noise occurring during nighttime (10:00 PM to 7:00 AM) hours;
- Average or Equivalent Sound Level ( $L_{eq}$ ):  $L_{eq}$  is the average sound level over the period of measurement;
- Sound Exposure Level (SEL): SEL is an  $L_{eq}$  that is normalized to one second. SEL captures both the level and duration of a sound event in a single numerical quantity, which provides a uniform way to make comparisons among noise events of various durations; and
- Maximum Sound Level ( $L_{max}$ ):  $L_{max}$  represents the highest noise level measured.

**Existing Noise Environment**

As detailed in the General Plan, the City is an urbanized area with open space and agricultural uses. The major existing sources of noise include vehicle traffic along roadways and agricultural, industrial, and commercial uses. The existing noise environment at the project site is primarily vehicle noise from traffic along North Lincoln Street and SR 113, and to a lesser extent, noise from nearby industrial, commercial, and retail operations. To quantify the general existing ambient noise environment within the

<sup>36</sup> Bollard Acoustical Consultants, Inc. *Environmental Noise & Vibration Assessment, Lincoln Square Mixed-Use Development, Dixon, California.* October 8, 2021.

project vicinity, the ENVA conducted long-term (96-hour) ambient noise level measurements from June 10 to June 13, 2021. The noise survey locations are shown on Figure 15 and identified as LT-1 through LT-3.

LT-1 and LT-2 were selected to be representative of the ambient noise level environment at the nearest residential uses to the west of the project site. LT-3 was selected to be representative of the ambient noise level environment at the southern project boundary, adjacent to existing industrial operations (Dependable Heating & Air Conditioning). Table 7 shows the results of the long-term noise survey.

<b>Table 8 Summary of Long-Term Noise Survey Measurement Results</b>						
<b>Site Description</b>	<b>Date</b>	<b>DNL</b>	<b>Average Measured Hourly Noise Levels (dBA)<sup>1</sup></b>			
			<b>Daytime<sup>1</sup></b>		<b>Nighttime<sup>2</sup></b>	
			<b>L<sub>eq</sub></b>	<b>L<sub>max</sub></b>	<b>L<sub>eq</sub></b>	<b>L<sub>max</sub></b>
LT-1	6/10/21	57	52	68	50	67
	6/11/21	56	49	67	49	65
	6/12/21	55	50	67	48	62
	6/13/21	55	49	67	48	65
LT-2	6/10/21	56	50	67	50	68
	6/11/21	56	48	65	50	66
	6/12/21	56	49	64	50	63
	6/13/21	53	49	65	46	64
LT-3	6/10/21	56	51	67	50	64
	6/11/21	56	51	68	49	63
	6/12/21	55	48	63	49	63
	6/13/21	52	47	63	46	62
<sup>1</sup> Daytime hours: 7:00 AM to 10:00 PM <sup>2</sup> Nighttime hours: 10:00 PM to 7:00 AM						
<b>Source: Bollard Acoustical Consultants, Inc., 2021.</b>						

As shown in Table 7, DNL and L<sub>eq</sub> noise levels were generally consistent at LT-1 through LT-3 throughout the entire monitoring period. Measured ambient noise levels were generally highest at LT-1, which the ENVA found was likely due to the proximity of the measurement location relative to North Lincoln Street.

### **Project Construction Noise**

During the construction of the proposed project, heavy equipment would be used for grading, excavation, paving, and building construction, which would increase ambient noise levels when in use. Noise levels would vary depending on the type of equipment used, how the equipment is operated, and how well the equipment is maintained. In addition, noise exposure at any single point outside the project site would vary depending on the proximity of construction activities to that point. Standard construction equipment, such as graders, backhoes, loaders, and trucks, would be used on-site. The property lines of the nearest existing sensitive receptors (the single-family residences located to the west of the project site) are located approximately 20 feet away from where construction activities could occur.

**Figure 15**  
**Lincoln Square Existing Noise and Vibration Monitoring Locations**

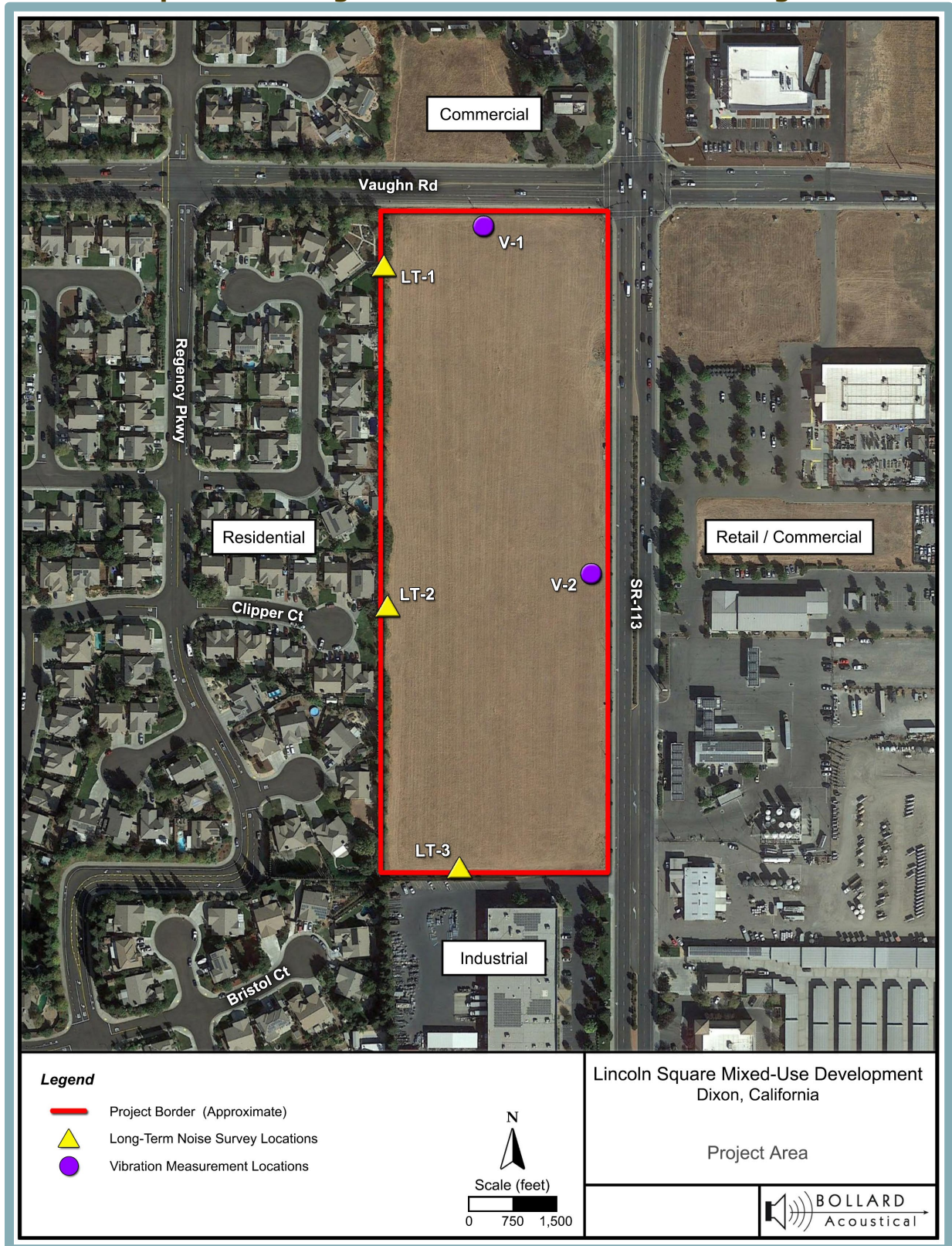


Table 8 shows maximum noise levels associated with typical construction equipment. Based on the table, activities involved in typical construction could generate maximum noise levels up to 90 dB at a distance of 50 feet; however, it should be noted that not all of the construction equipment listed in the table would be required to implement the proposed project. The table also includes predicted maximum equipment noise levels at the property lines of the nearest sensitive receptors located 20 feet away, which assumes a standard spherical spreading loss of six dB per doubling of distance.

<b>Table 9 Construction Equipment Noise Levels and Projected Noise Levels at 20 Feet</b>		
<b>Equipment Description</b>	<b>Maximum Noise Level at 50 Feet (dB)</b>	<b>Predicted Maximum Noise Level at 20 Feet (dB)</b>
Air Compressor	80	88
Backhoe	80	88
Ballast Equalizer	82	90
Ballast Tamper	83	91
Compactor	82	90
Concrete Mixer	85	93
Concrete Pump	82	90
Concrete Vibrator	76	84
Mobile Crane	83	91
Dozer	85	93
Generator	82	93
Grader	85	90
Impact Wrench	85	93
Loader	80	93
Paver	85	88
Pneumatic Tool	85	93
Pump	77	93
Saw	76	85
Scarifier	83	84
Scraper	85	91
Shovel	82	93
Spike Driver	77	90
Tie Cutter	84	85
Tie Handler	80	92
Tie Inserter	85	88
Truck	84	93
<b>Source: Federal Transit Administration Noise and Vibration Impact Assessment Manual, Table 7-1, 2020.</b>		

Based on the equipment noise levels in the table, noise levels associated with project construction could range from 84 to 93 dB at the property lines of the nearest sensitive receptors, located to the west of the project site. Section 18.28.050(C) of the City's Municipal Code exempts sound from temporary construction activities. Construction activities associated with the development of residential and retail uses are typically considered to be short-term and/or temporary in nature. Provided that the City of Dixon considers construction activities associated with the project to be temporary, project construction activities would be exempt, and impacts related to project construction would be considered less than significant. However, if the City does not consider project



construction activities to be temporary, as defined in Municipal Code Section 18.28.050(C), noise levels generated by some construction activities could exceed the applicable Municipal Code exterior maximum noise level standard at the nearest residential uses to the west of the project site. As a result, noise impacts associated with construction activities are identified as being potentially significant.

**Project Operational Noise**

An analysis of traffic noise, noise associated with the proposed project’s commercial operations, on-site customer vehicle circulation noise, and noise from on-site truck deliveries is provided below.

Project-Generated Traffic Noise

The project site is accessible by way of SR 113 to the east of the site and North Lincoln Street to the north. As a result, the greatest potential impact from project-generated off-site traffic is expected to be on the foregoing roadways.

To assess noise impacts associated with traffic on SR 113 and North Lincoln Street, the ENVA used applicant-provided trip generation information and the Federal Highway Administration Highway Traffic Noise Prediction Model (FHWA-RD-77-108) (FHWA Model). The FHWA Model accounts for vehicle volume and speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the project vicinity. The FHWA Model was developed to predict hourly  $L_{eq}$  values for free-flowing traffic conditions. To calculate DNL noise levels, average daily traffic (ADT) volume data was adjusted, based on the assumed day/night distribution of traffic. According to trip generation information provided as part of the ENVA, the proposed project is estimated to generate approximately 1,818 vehicle trips per day (524 residential/1,294 retail). Based on the foregoing project trip generation estimates, and conservatively assuming that all project-generated daily vehicle trips could occur along either SR 113 or North Lincoln Street (as a worst-case scenario), the ENVA determined that combined project-generated traffic noise level exposure from residential and retail uses would increase noise levels by approximately 0.4 dB DNL and 0.9 dB DNL, at a distance of 50 feet from the centerlines of SR 113 and North Lincoln Street, respectively.

The Federal Interagency Committee on Noise (FICON) has developed a graduated scale for use in the assessment of project-related noise level increases. The criteria shown in Table 9 was developed by FICON as a means of developing thresholds for impact identification for project-related noise level increases. The FICON standards have been used extensively in recent years in the preparation of noise sections of EIRs that have been certified by lead agencies in California. The use of FICON standards is considered conservative, relative to thresholds used by other agencies in the State.

<b>Table 10</b>	
<b>FICON Significance of Changes in Cumulative Noise Exposure</b>	
<b>Ambient Noise Level Without Project (DNL or CNEL)</b>	<b>Change in Ambient Noise Level Due to Project</b>
<60 dB	+5.0 dB or more
60 to 65 dB	+3.0 dB or more
>65 dB	+1.5 dB or more
<i>Source: Bollard Acoustical Consultants, Inc., 2021.</i>	

According to the ENVA, the existing traffic noise level at 50 feet from the centerline of SR 113 is approximately 70 dB DNL. Given a worst-case scenario of an increase of 0.4 dB DNL from project-generated traffic noise at the same distance on SR 113, the project-related increase in noise levels would be below the applicable 1.5 dB increase significance threshold established by FICON. Similarly, the ENVA determined the existing traffic noise level at 50 feet from the centerline of North Lincoln Street to be approximately 64 dB DNL. Therefore, the project-related increase in noise levels would be below FICON's applicable 3.0 dB increase significance threshold.

Because project-related traffic is not predicted to result in increases in ambient noise levels that would exceed the applicable FICON increase significance criteria at existing sensitive uses within the project vicinity, the potential impact would be less than significant.

### Project Commercial Operation Noise

An analysis of project commercial operation noise is provided below, including noise associated with the gas station's car wash drying assembly and associated vacuum system, and rooftop HVAC system. It should be noted that the most significant noise sources associated with the car wash include the vacuum system operation and car wash drying assembly equipment.

The proposed convenience store/gas station is assumed to operate 24 hours per day, while the proposed car wash is assumed to operate during the hours of 6:00 AM to 11:00 PM. The Dixon Municipal Code provides noise level limits that would be applicable to non-transportation noise sources, such as those occurring on the project site associated with the commercial uses. Specifically, Section 18.28.030 of the Municipal Code establishes "maximum sound pressure levels" for various receiving zoning districts. For the purposes of this analysis, the Municipal Code's "maximum sound pressure levels" have been interpreted as the highest (maximum) allowable hourly average ( $L_{eq}$ ) sound level. The application of the  $L_{eq}$  sound level descriptor for project-generated non-transportation noise sources would be consistent with application of the General Plan's DNL noise level to transportation noise sources.

### *Car Wash Drying Assembly*

The project proposes construction and operation of a two-lane car wash tunnel as part of the project's commercial use. According to the project applicant, the equipment selected for the car wash component includes a 3-Motor Whisper Package drying assembly manufactured by International Drying Corporation. The manufacturer's sound level data for the proposed drying system is summarized in Table 10.

As indicated in the table, the noise level generation of the car wash drying assembly would vary depending on a receptor's distance from the tunnel entrance/exit. Per the ENVA, average car wash cycles are approximately five minutes in duration, with the dryers operating during the last minute of the cycle. As such, during a worst-case hour, the car wash would go through 12 full cycles and the dryer would operate for approximately 12 minutes during a busy hour. Based on the above assumptions, the resulting hourly average  $L_{eq}$  drying assembly noise levels would be approximately seven dB less than the maximum levels provided in Table 10. At the nearest existing sensitive receptor, a single-family residence located 320 feet to the west of the car wash tunnel, the ENVA determined that the predicted  $L_{eq}$  noise level under a worst-case scenario would be 29 dB, accounting for distance from the noise source and shielding provided by the project's proposed eight-

foot sound wall (-7 dB) and proposed intervening buildings (-7 dB). Such a level would be well below the 55 dB  $L_{eq}$  exterior noise level standard set forth in Section 18.28.030 of the City’s Municipal Code for residential zoning districts.

<b>Table 11</b>	
<b>3-Motor Whisper Package Drying Assembly Sound Level Data</b>	
<b>Distance from Noise Source</b>	<b>dBA (<math>L_{max}</math>)</b>
<b>Car Wash Entrance</b>	
5 feet	76
10 feet	72
20 feet	68
30 feet	65
65 feet	61
<b>Car Wash Exit</b>	
5 feet	84
10 feet	80
20 feet	75
30 feet	71
65 feet	65

*Source: Bollard Acoustical Consultants, Inc., 2021.*

In addition, LT-1 (see Figure 15) was selected to be representative of the ambient noise level environment at the nearest existing residential uses to the west of the proposed retail use. As shown in Table 7, the measured daytime hourly average noise levels at LT-1 ranged from 49 to 52 dB  $L_{eq}$  (arithmetic mean of 50 dB  $L_{eq}$ ), while the measured nighttime hourly average noise levels ranged from 48 to 50 dB  $L_{eq}$  (arithmetic mean of 49 dB  $L_{eq}$ ). According to the FICON increase significance criteria, a 5-dB increase in noise levels due to project on-site activities would be required for a finding of a significant impact. Given the arithmetic means of the measured daytime and nighttime hourly average noise levels, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient noise levels). Based on the ENVA’s determination that the predicted  $L_{eq}$  noise level under a worst-case scenario would be 29 dB, the increase in ambient daytime and nighttime noise levels resulting from car wash drying system operations would be less than 0.1 dB  $L_{eq}$  at the nearest existing residential use to the west, which is well below the 5-dB increase criteria.

Based on the above, noise generated by the proposed car wash drying system would result in a less-than-significant impact.

***Retail Vacuum System***

A vehicle vacuum area is proposed to be located adjacent to the car wash tunnel within the project’s gas station component. Per applicant-provided information, the project proposes the installation of four vacuum units manufactured by Vaclovers, Inc., specifically, the Combination and Power Vacuum systems. The ENVA assumed the four proposed vacuum units would be in operation concurrently and continuously for the duration of an hour (worst-case hour). Based upon the manufacturer’s data, assuming the continuous and concurrent use of the vacuums for a given hour, and assuming standard spherical spreading loss (-6 dB per doubling of distance), project vacuum equipment noise exposure at the nearest existing residential use (355 feet to the west of the noise source)

was determined to result in a predicted  $L_{eq}$  noise level of 36 dB for the Combination system and 52 dB for the Power Vacuum system. The projection accounted for distance from the noise source and shielding providing by the project's proposed eight-foot sound wall (-7 dB) and proposed intervening buildings (-7 dB). Such a level would be well below the 55 dB  $L_{eq}$  exterior noise level standard set forth in Section 18.28.030 of the City's Municipal Code for residential zoning districts.

As noted above, the measured daytime hourly average noise levels at LT-1 ranged from 49 to 52 dB  $L_{eq}$  (arithmetic mean of 50 dB  $L_{eq}$ ), while the measured nighttime hourly average noise levels ranged from 48 to 50 dB  $L_{eq}$  (arithmetic mean of 49 dB  $L_{eq}$ ). Based on such, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient noise levels). Based on the ENVA's determination that the predicted  $L_{eq}$  noise level from vacuum equipment operations in the Combination configuration under a worst-case scenario would be 36 dB, the resultant increase in ambient daytime and nighttime noise levels would be 0.2 dB  $L_{eq}$  at the nearest existing residential use to the west. In addition, based on the ENVA's predicted  $L_{eq}$  noise level for the Power Vacuum configuration under a worst-case scenario of 52 dB, the increase in ambient daytime and nighttime noise levels resulting from vacuum equipment operations in said configuration would be 4.1 dB  $L_{eq}$  and 4.9 dB  $L_{eq}$  at the nearest existing residential use to the west. Thus, under either configuration, the proposed vacuum equipment operations would not cause an increase in ambient noise levels in excess of the applicable 5-dB increase criteria

Based on the above, noise generated by the proposed vehicle vacuum area would result in a less-than-significant impact.

### *Rooftop HVAC System*

HVAC requirements for the proposed convenience store would most likely be met using packaged roof-mounted systems. As a means of determining potential noise exposure due to rooftop mechanical equipment, the ENVA used reference file data collected for previous studies. The reference file data for HVAC systems indicate that a 12.5-ton packaged unit can be expected to generate an A-weighted sound power level of 85 dB. Using such sound power data, and assuming standard spherical spreading loss (-6 dB per doubling of distance), convenience store HVAC equipment noise exposure at the nearest existing residential use (260 feet to the west of the noise source) was determined to result in a predicted  $L_{eq}$  noise level of 37 dB. Barrier offsets were not applied, due to the elevated position of the equipment. Nevertheless, such a level would be well below the 55 dB  $L_{eq}$  exterior noise level standard set forth in Section 18.28.030 of the City's Municipal Code for residential zoning districts.

As noted above, based on the measured daytime hourly average noise levels at LT-1 and the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient noise levels). Based on the ENVA's determination that the predicted  $L_{eq}$  noise level under a worst-case scenario would be 37 dB, the increases in ambient daytime and nighttime noise levels resulting from convenience store HVAC equipment would be 0.2 dB  $L_{eq}$  and 0.3 dB  $L_{eq}$ , respectively, at the nearest existing residential use to the west, which would be below the applicable 5-dB increase criteria.

Based on the above, noise generated by the proposed HVAC system would result in a less-than-significant impact.

### Noise from On-Site Truck Deliveries

On-site truck deliveries are expected to be relatively brief and would occur at low speeds. To predict noise levels generated by on-site truck circulation, the ENVA used file data obtained from measurements conducted by Bollard Acoustical Consultants, Inc. of heavy- and medium-duty trucks. According to the file data, single-event *heavy-duty* truck delivery noise levels are approximately 74 dB  $L_{max}$  and 83 dB SEL at a reference distance of 50 feet. The file data also indicate that single-event *medium-duty* truck delivery noise levels are approximately 66 dB  $L_{max}$  and 76 SEL at a reference distance of 50 feet. For the purposes of predicting hourly average noise levels for comparison against the  $L_{eq}$  noise level standard, the ENVA assumed that one heavy-duty fueling truck and two medium-duty trucks could have store deliveries during the same worst-case hour. Based on the worst-case hour and SELs of 83 and 76 dB SEL per delivery, the hourly average noise level generated by project delivery truck circulation was determined to be 49 dB  $L_{eq}$  at a reference distance of 50 feet from the delivery route. Assuming standard spherical spreading loss (-6 dB per doubling of distance), retail-related on-site delivery truck circulation noise exposure at the nearest existing residential uses was determined to result in a predicted  $L_{eq}$  noise level of less than 20 dB at the nearest existing sensitive receptor (located 340 feet to the west of the noise source). The calculation accounted for distance from the noise source and shielding providing by the project's proposed eight-foot sound wall (-7 dB) and proposed intervening buildings (-7 dB). Such a level would be well below the 55 dB  $L_{eq}$  exterior noise level standard set forth in Section 18.28.030 of the City's Municipal Code for residential zoning districts.

Furthermore, as noted above, based on the measured daytime hourly average noise levels at LT-1 and the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient noise levels). Based on the ENVA's determination that the predicted  $L_{eq}$  noise level under a worst-case scenario would be less than 20 dB at the nearest existing sensitive receptor, the increases in ambient daytime and nighttime noise levels resulting from project on-site delivery truck circulation would be less than 0.1 dB  $L_{eq}$  at the nearest existing residential use to the west, which is below the applicable 5-dB increase criteria.

Additionally, the ENVA assessed noise generated by medium-duty vendor truck/van deliveries that could occur at the front of the convenience store. The primary noise sources associated with delivery activities are trucks stopping (air brakes), trucks backing into position (back-up alarms), and pulling away from the loading/unloading area (revving engines). For a conservative assessment of daily truck delivery noise levels at the proposed convenience store, the ENVA assumed that four medium-duty trucks/vans would deliver products to the store on a typical busy day. For the purposes of predicting hourly average noise levels for comparison against the  $L_{eq}$  noise level standard, it was assumed that two medium-duty trucks could have store deliveries during the same worst-case hour. File data indicate that noise levels associated with medium-duty truck deliveries (including side-step vans) are approximately 76 dB SEL at a distance of 100 feet. Based on two medium-duty truck deliveries occurring during any given hour and an SEL of 76 dB, the hourly average noise level was found to be 43 dB  $L_{eq}$  at a reference distance of 100 feet during the worst-case hour of deliveries. Assuming standard spherical spreading

loss (-6 dB per doubling of distance) and a reference noise level of 43 dB  $L_{eq}$  at 100 feet, on-site truck delivery operations noise exposure at the nearest existing residential use (located 340 feet to the west of the noise source) was determined to result in a predicted  $L_{eq}$  noise level of less than 20 dB at the nearest existing sensitive receptor. The calculation accounted for distance from the noise source and shielding providing by the project's proposed sound wall (-7 dB) and proposed intervening buildings (-7 dB). Such a level would be well below the 55 dB  $L_{eq}$  exterior noise level standard set forth in Section 18.28.030 of the City's Municipal Code for residential zoning districts.

In addition, as noted above, based on the measured daytime hourly average noise levels at LT-1 and the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient noise levels). Based on the ENVA's determination that the predicted  $L_{eq}$  noise level under a worst-case scenario would be less than 20 dB at the nearest existing sensitive receptor, the increases in ambient daytime and nighttime noise levels resulting from retail delivery truck activity would be less than 0.1 dB  $L_{eq}$  at the nearest existing residential use to the west, which is below the applicable 5-dB increase criteria.

Based on the above, noise generated by the on-site truck deliveries would result in a less-than-significant impact.

**Cumulative Retail Operational Noise at Existing Sensitive Receptors**

The calculated cumulative (combined) noise level exposure from analyzed on-site noise sources at the nearest existing residential uses is presented in Table 11. It should be noted that due to the logarithmic nature of the decibel scale, the sum of two noise values which differ by 10 dB equates to an overall increase in noise levels of 0.4 dB. When the noise sources are equivalent, the sum would result in an overall increase in noise levels of 3 dB.

<b>Table 12</b>	
<b>Predicted Cumulative Retail Operations Noise Levels at Nearest Existing Sensitive Receptors – Existing Residential to the West</b>	
<b>Predicted Noise Levels, <math>L_{eq}</math> (dB)</b>	
On-Site Vehicle Circulation	20
On-Site Truck Circulation	18
Delivery Truck	19
HVAC	37
Vacuums (Combination configuration)	36
Car Wash Dryers	29
<b>Cumulative Noise Level</b>	<b>40</b>

*Source: Bollard Acoustical Consultants, Inc., 2021.*

As indicated in Table 11, the calculated cumulative (combined) noise level exposure from retail-related on-site noise sources would be below the Dixon Municipal Code 55 dB  $L_{eq}$  exterior noise level standard at the nearest existing residential uses to the west.

As noted above, based on the measured daytime hourly average noise levels at LT-1 and the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient noise levels). Based on the data presented in Table 11, the increase in ambient daytime and nighttime noise levels resulting from combined on-site noise sources would be 0.4 dB  $L_{eq}$  and 0.5 dB  $L_{eq}$ , respectively, at the nearest existing residential use to the west, which would be less than the applicable 5-dB increase criteria

Because cumulative noise level exposure from retail on-site noise sources would be below the applicable Dixon Municipal Code noise level standard at the nearest existing sensitive land uses, and because cumulative noise level exposure is not expected to significantly increase ambient noise levels at the nearest residential uses, the impact associated with the proposed retail component of the project would be considered less than significant.

### **Conclusion**

Based on the above, noise generated as part of project operation would not result in a substantial permanent increase in noise levels at the nearest sensitive receptor in excess of the City's noise performance standards or the applicable FICON threshold of significance. However, project construction would generate nuisance noise levels.

Therefore, the proposed project would generate a substantial temporary increase in ambient noise levels in the vicinity of the project in excess of standards established in the City's Noise Ordinance, and a potentially significant impact would occur.

### **Mitigation Measure(s)**

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

*XIII-1            During project construction, the project contractor shall ensure that to the maximum extent feasible, the following measures are incorporated into the project construction operations:*

- The project shall utilize temporary construction noise control measures including the use of temporary noise barriers, or other appropriate measures as mitigation for noise generated during construction of projects;*
- All noise-producing project equipment and vehicles using internal-combustion engines shall be equipped with manufacturer-recommended mufflers and be maintained in good working condition;*
- All mobile or fixed noise-producing equipment used on the project site that are regulated for noise output by a federal, State, or local agency shall comply with such regulations while in the course of project activity;*
- Electrically powered equipment shall be used instead of pneumatic or internal-combustion-powered equipment, where feasible;*
- Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise-sensitive receptors;*

- *Project area and site access road speed limits shall be established and enforced during the construction period; and*
- *Nearby residences shall be notified of construction schedules so that arrangements can be made, if desired, to limit their exposure to short-term increases in ambient noise levels.*

*The aforementioned criteria shall be included in the project improvement plans submitted by the applicant/developer for review and approval by the Community Development Department, prior to issuance of grading permits. Exceptions to allow expanded construction activities shall be reviewed on a case-by-case basis as determined by the City Engineer.*

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 12 and Table 13, which were developed by Caltrans, show the vibration levels that would normally be required to result in damage to structures or annoyance, respectively, from transient and continuous vibration. As shown in the tables, the threshold for architectural damage to structures is 0.30 in/sec PPV and continuous vibrations of 0.10 in/sec PPV, or greater, would likely cause annoyance to sensitive receptors.

<b>Table 13</b>		
<b>Guideline Vibration Damage Potential Threshold Criteria</b>		
<b>Structure and Condition</b>	<b>Maximum PPV (inches/second)</b>	
	<b>Transient Sources</b>	<b>Continues/Frequent Intermittent Sources</b>
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.20	0.10
Historic and some old buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial/commercial buildings	2.00	0.50
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.		
<b>Source: Bollard Acoustical Consultants, Inc., 2021.</b>		



<b>Table 14</b>		
<b>Guideline Vibration Annoyance Potential Criteria</b>		
<b>Human Responses</b>	<b>Maximum PPV (inches/second)</b>	
	<b>Transient Sources</b>	<b>Continues/Frequent Intermittent Sources</b>
Barely perceptible	0.40	0.01
Distinctly perceptible	0.25	0.04
Strongly perceptible	0.90	0.10
Severe	2.00	0.40
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.		
<b>Source: Bollard Acoustical Consultants, Inc., 2021.</b>		

The proposed project would only cause elevated vibration levels during construction, as the project would not involve any uses or operations that would generate substantial groundborne vibration. During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of construction activities. The nearest existing sensitive receptors have been identified as residential structures (west of the project) located approximately 40 feet from construction activities which would occur within the project site. Table 14 includes the range of vibration levels for equipment commonly used in general construction projects at a distance of 25 feet. The data also include predicted equipment vibration levels at the nearest existing residences to the project site located approximately 40 feet away.

<b>Table 15</b>		
<b>Vibration Source Levels (PPV) for Construction Equipment and Predicted Levels at 40 Feet</b>		
<b>Equipment</b>	<b>Maximum Vibration Level at 25 Feet</b>	<b>Predicted Maximum Vibration Level at 40 Feet</b>
Large Bulldozer	0.089	0.044
Hoe Ram	0.089	0.044
Caisson Drilling	0.089	0.044
Loaded Trucks	0.076	0.038
Backhoe	0.051	0.025
Excavator	0.051	0.025
Grader	0.051	0.025
Loader	0.051	0.025
Jackhammer	0.035	0.017
Small Bulldozer	0.003	0.001
<b>Source: 2020 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, and Bollard Acoustical Consultants, Inc., 2021.</b>		

As shown above, vibration levels generated from on-site project construction activities at the nearest existing sensitive receptors would be well below Caltrans' 0.30 in/sec PPV threshold for damage to residential structures. Furthermore, construction activities would not result in vibration levels in excess of Caltrans' 0.10 in/sec PPV threshold for annoyance to sensitive receptors.

Based on the above, project operation would not include uses that would involve elevated vibration levels, and project construction would not generate excessive groundborne vibration or groundborne noise levels at the nearest existing sensitive receptors. Therefore, the project would result in ***less-than-significant*** impact.

- c. The project site is not located within the vicinity of a public airport or private airstrip. The nearest private airstrip to the site is Maine Prairie Airport, located approximately 5.5 miles to the south. The nearest public airport is the University Airport, which is operated by Transportation Services of UC Davis and located approximately 4.8 miles to the northwest of the project site. Therefore, the project would not be located within the vicinity of a private airstrip or airport land use plan, or within two miles of a public airport where the project would expose people residing or working in the project area to excessive noise levels. Thus, ***no impact*** would occur.

**XIV. POPULATION AND HOUSING.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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)?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>

**Discussion**

- a. The proposed project would include development of a total of 102 single-family residential units as well as a gas station consisting of a convenience store, fuel canopy, and car wash. The project site’s CMU land use designation is intended to foster a mix of retail and commercial uses, supported by housing. The density associated with the CMU land use designation is 12 to 28 du/ac, with densities on the lower end of the foregoing range related to developments that about low-density residential developments.

The proposed project is a small-lot project, with detached housing and small setbacks. While the project functions and appears more in line with that of a townhome product and exhibits a medium-density residential range, as designed, the project would have a density of 12 du/ac, consistent with the lower end of the density allowed within the CMU land use designation. The proposed project would generally comply with all applicable General Plan policies and would adhere to all applicable Municipal Code standards. Furthermore, the proposed project would be developed in an urban area, surround by existing commercial uses to the north, across North Lincoln Street, heavy commercial uses to the east, across from SR 113, light industrial businesses to the south, and the aforementioned single-family residential communities to the west. The project would not involve extension of major infrastructure. New utility infrastructure associated with the proposed project would be sized to accommodate only the proposed residential and commercial uses. As such, the project would not indirectly result in substantial unplanned population growth in the project area.

Based on the above information, the proposed project would not induce substantial unplanned population growth either directly or indirectly, and a **less-than-significant** impact would occur.

- b. The project site is currently undeveloped 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, **no impact** would occur.

**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:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
b. Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
c. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
d. Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
e. Other Public Facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>

**Discussion**

a,b. The Dixon Fire Department (DFD) provides emergency fire, rescue, and medical services to the City and the Dixon Fire Protection District, a 320-square-mile area located entirely within the General Plan Planning Area. The fire station is located at 205 Ford Way, only 0.4-mile southwest of the project site, and is manned by 21 career and 10 volunteer/reserve personnel. The DFD has not set a goal for maximum response time; however, the General Plan EIR notes that response times from 2016 to 2019 were generally lowest in the city center. Based on the relatively short distance between the fire station and project site, the DFD would be able to respond to service calls from the project site well within an acceptable time frame. According to the General Plan, current staffing and equipment levels provide an adequate number of firefighters for smaller fires and common medical or rescue situations. The DFD also maintains mutual aid agreements with other local municipalities. The City has mechanisms in place to ensure that as the City grows, the level of fire and emergency response service is maintained. General Plan Policy PSF-1.3 calls for the City to maintain police and fire equipment, facilities, and staffing at levels that allow for effective service delivery. Policy PSF-1.5 requires the City to continue to ensure new development pays a fair share funding contribution for the provision of adequate police and fire services. In accordance with Policy PSF-1.5, Section 4.07.070 of the Municipal Code establishes fire facilities impact fees for development within the City, which must be paid as part of the issuance of a building permit. The proposed project would be subject to all applicable impact fees. Revenues generated through impact fees on new development would pay for any new fire facilities deemed necessary by the City, all of which would be required to undergo analysis of all potential environmental impacts under CEQA.

The Dixon Police Department (DPD) provides law enforcement service within the City limits and is based at 201 West A Street, 1.3 miles south of the project site. The DPD is manned by 28 sworn police officers, two administrative staff, and three community service officers, and maintains 21 police vehicles, one K9 unit, two police motorcycles, an off-road utility vehicle and two distinctively marked police vehicles for community service officers. Call-taking and dispatching functions are performed through a contractual relationship with the Solano County Sheriff’s Office. The DPD strives to have a response time of less than five minutes to Priority 1 calls, which typically relate to incidents involving an immediate threat to life, danger of serious physical injury, or danger of major property damage. In 2019, the DPD averaged 5.08 minutes in response times to citizen-initiated calls for service. Given the short distance from the police station to the project site, the DPD would

be able to respond to service calls from the project site within the five-minute response time. As previously discussed, General Plan Policies PSF-1.3 and PSF-1.5 ensure that as the City grows, the level of police services is adequately maintained. Section 4.07.060 of the Municipal Code establishes police facilities impact fees for development within the City, which must be paid as part of the issuance of a building permit. The proposed project would be subject to all applicable impact fees. Revenues generated through impact fees on new development would pay for any new police facilities deemed necessary by the City, all of which would be required to undergo analysis of all potential environmental impacts under CEQA.

Based on the above information, the proposed project would not 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 fire or police protection. Therefore, the project would result in a ***less-than-significant*** impact.

- c-e. The Dixon Unified School District (DUSD) provides educational services for students of all grades in elementary, middle, and high school in the General Plan Planning Area, as well as throughout nearby portions of the City of Vacaville and unincorporated portions of the County. The district maintains six schools in addition to operating the Dixon Adult School: three elementary schools, a middle school, and two high schools. According to the General Plan EIR, the DUSD projected an increase in enrollment, with 2020 estimated at 3,483 total students from kindergarten through high school. However, the DUSD's facilities capacity is 5,391, well beyond current enrollment at all school levels within the district. To ensure adequate facilities are available to meet enrollment trends and accommodate potential future growth, the district has impact fees set in place for residential and commercial/industrial development projects. The City manages developer fees for building permits issued within the City limits. New residential construction is assessed a fee of \$3.79 per sf and commercial projects must pay a fee of \$0.61 per sf. 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." Therefore, according to SB 50, the payment of the necessary school impact fees for the project would be full and satisfactory CEQA mitigation.

The City maintains five public parks, representing approximately 96.3 acres of parkland in the General Plan Planning Area, including neighborhood and community parks. Neighborhood parks are intended to provide open space and basic recreational facilities for residents in the vicinity of the park, while community parks provide space for organized sports and major facilities for the broader community, including swimming pools, ball fields, and community centers. About 13.5 acres of neighborhood parks, 80.3 acres of community parks, and 2.4 acres of other parks are included in the Planning Area. The City adopted the Parks and Recreation Master Plan in 2015 and is currently beginning an update to the Master Plan. Based on the plan, two planned additions will help the City expand park services and meet General Plan standards for park lands: Southwest Community Park and Southwest Neighborhood Park.

Dixon currently has 4.8 acres of parkland for every 1,000 residents. The General Plan and Section 17.16.010 of the City's Municipal Code establish a standard of five acres of community or neighborhood recreational or park facility per 1,000 residents to ensure adequate recreational open space for the enjoyment of the community. Parkland dedication requirements and parkland impact fees required in the Municipal Code provide mechanisms to ensure that new parks are built to satisfy future demand. Section 4.07.040 of the Municipal Code establishes park and recreation facilities impact fees for development within the City, which must be paid as part of the issuance of a building permit. The proposed project would be subject to all applicable impact fees.

Based on an average of 3.11 persons per household, the proposed project would generate an estimated 318 new residents, which would necessitate 1.59 acres of new park facilities in the City. The proposed project includes 0.84-acre of green space in the form of a pocket park, which would include table and bench areas and sidewalks around the park perimeter. As the pocket park would not provide the total amount of park facilities required by the Municipal Code, the proposed project would be subject to fees in lieu of land dedication, consistent with the requirements set forth in Section 17.16.040 of the Municipal Code. Revenues generated through in-lieu and impact fees would pay for any new park and recreation facilities deemed necessary by the City, all of which would be required to undergo analysis of all potential environmental impacts under CEQA.

With respect to other public facilities, the Dixon Carnegie Library, located at 230 North 1<sup>st</sup> Street, serves the General Plan Planning Area and is a community landmark. The library is operated by the County of Solano and currently has a staff of 21 people, a collection of nearly 50,000 items, and eight computers available for public use and provides programming for both children and adults. Future residents and customers of the proposed project would be subject to all applicable taxes used to fund library services.

Based on the above information, the proposed project would not 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 schools, parks, or other public facilities. Therefore, the project would result in a ***less-than-significant*** impact.

**XVI. RECREATION.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>

**Discussion**

a,b. As previously discussed, the City currently includes 4.8 acres of parkland for every 1,000 residents. The General Plan and Section 17.16.010 of the City’s Municipal Code establish a standard of five acres of community or neighborhood recreational or park facility per 1,000 residents to ensure adequate recreational open space for the enjoyment of the community. Section 4.07.040 of the Municipal Code establishes park and recreation facilities impact fees for development within the City, which must be paid as part of the issuance of a building permit. The proposed project would be subject to all applicable impact fees.

As discussed above, because the proposed project would not include park space sufficient to meet the total amount of park facilities required by the Municipal Code, the proposed project would be subject to fees in lieu of land dedication, consistent with the requirements set forth in Section 17.16.040 of the Municipal Code.

Revenues generated through impact fees on new development and in-lieu fees would pay for any new park and recreation facilities deemed necessary by the City. Park impact fees imposed by the City would generate revenue to acquire necessary land to develop new parks or rehabilitate existing neighborhood parks and recreation facilities reasonably related to serve the subdivision. Based on the above, a **less-than-significant** impact would occur with regard to recreational resources.

**XVII. TRANSPORTATION.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
b. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>	<input type="checkbox"/>
d. Result in inadequate emergency access?	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion**

- a. This section discusses any potential conflict between the proposed project and any applicable programs, plans, ordinances, or policy addressing the circulation system. This includes all modes of transportation, including transit, roadway, bicycle, and pedestrian facilities.

The law has recently changed with respect to how transportation-related impacts may be addressed under CEQA. Traditionally, lead agencies used level of service (LOS) to assess the significance of such impacts. LOS represents a qualitative description of the traffic operations experienced by the driver at an intersection or along a roadway segment and ranges from LOS A, which represents the absence of congestion and little delay, to LOS F, which signifies excessive congestion and delays. Greater levels of congestion are considered to be more significant than lesser levels. Mitigation measures typically took the form of capacity-increasing improvements, which often had their own environmental impacts (e.g., to biological resources). Depending on circumstances, and an agency’s tolerance for congestion (e.g., as reflected in its general plan), LOS D, E, or F often represented significant environmental effects. In 2013, however, the State Legislature passed legislation with the intention of ultimately doing away with LOS in most instances as a basis for environmental analysis under CEQA. Enacted as part of SB 743 (2013), PRC Section 21099, subdivision (b)(1), directed the Governor’s Office of Planning and Research (OPR) to prepare, develop, and transmit to the Secretary of the Natural Resources Agency for certification and adoption proposed CEQA Guidelines addressing “criteria for determining the significance of transportation impacts of projects within transit priority areas. Those criteria shall promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses. In developing the criteria, [OPR] shall recommend potential metrics to measure transportation impacts that may include, but are not limited to, vehicle miles traveled, vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated. The office may also establish criteria for models used to analyze transportation impacts to ensure the models are accurate, reliable, and consistent with the intent of this section.”

Subdivision (b)(2) of Section 21099 further provides that “[u]pon certification of the guidelines by the Secretary of the Natural Resources Agency pursuant to this section, automobile delay, as described solely by level of service or similar measures of vehicular capacity or traffic congestion *shall not be considered a significant impact on the environment* pursuant to [CEQA], except in locations specifically identified in the guidelines, if any.” (Italics added.)



Pursuant to SB 743, the Natural Resources Agency promulgated CEQA Guidelines Section 15064.3 in late 2018, which became effective in early 2019. 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.”<sup>37</sup>

Please refer to Question ‘b’ for a discussion of VMT.

### **Transit, Bicycle, and Pedestrian Facilities**

As noted in the City’s General Plan EIR, the City does not have a standardized metric by which to evaluate the effectiveness of the bicycle circulation system nor the pedestrian circulation system. A project’s impact on bicycle and/or pedestrian facilities is considered to occur if the project would adversely affect an existing bicycle or pedestrian facility or preclude the construction of planned facilities.

As previously discussed, the proposed project consists of a residential subdivision comprised of 102 detached, single-family lots and a commercial lot that would be developed as a fueling station, featuring a 4,500-sf Rotten Robbie-branded convenience store, a 5,789-sf fueling canopy with eight fuel dispensers, and a 2,613-sf car wash. North Lincoln Street and SR 113 would provide site access to both the proposed subdivision and the commercial lot.

Existing sidewalks and bicycle lanes are located along both sides of North Lincoln Street and SR 113. The proposed project’s improvements would be limited to on-site areas and would not impact the existing bicycle lanes and/or sidewalks in the project vicinity. Within the project’s subdivision, Street A and Street B would both feature sidewalks. Consistent with Section 17.10.070 of the Municipal Code, which discourages excessively long, straight residential streets, both Street A and Street B would be designed to gently curve in order to slow traffic and thereby encourage the roads’ use by bicyclists. Additionally, a bike rack would be provided near the southeast corner of the commercial lot’s convenience store. Given the proposed project’s consistency with all applicable provisions of the City’s Municipal Code and Engineering Design Standards and the lack of impact to existing bicycle lanes and/or sidewalks, the project would result in a less-than-significant impact to bicycle and pedestrian facilities.

With respect to the public transit system, the City does not have a standardized metric to evaluate transit service within the City limits, according to the General Plan EIR. Transit service is currently provided within the City limits by way of Dixon Read-Ride, a public dial-a-ride transit system providing curb-to-curb transit service Monday through Friday, from 7:00 AM to 5:00 PM through phone reservations. Implementation of the proposed project would not interfere with Dixon Read-Ride operations. As such, the proposed project would result in a less-than-significant impact to existing transit facilities.

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<sup>37</sup> 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.

## Conclusion

Based on the above information, the proposed project would not conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities, and a **less-than-significant** impact would occur.

- b. Section 15064.3 of the CEQA Guidelines provides specific considerations for evaluating a project's transportation impacts. Pursuant to Section 15064.3, analysis of VMT attributable to a project is the most appropriate measure of transportation impacts. Other relevant considerations may include the effects of the project on transit and non-motorized travel. The City of Dixon has not yet established any standards or thresholds regarding VMT. As a result, the City has elected to use the thresholds recommended in the *Technical Advisory on Evaluating Transportation Impacts in CEQA* (OPR Guidance), published by the OPR in December 2018.<sup>38</sup> Consistent with OPR Guidance, projects that meet certain screening thresholds based on their location and project type may be presumed to result in a less-than-significant transportation impact.

To evaluate potential VMT impacts associated with the proposed project, a VMT analysis was prepared by Urban Crossroads (see Appendix I of this IS/MND).<sup>39</sup> According to the VMT analysis, the OPR Guidance directs that local-serving retail uses are presumed to have a less-than-significant impact, absent substantial evidence to the contrary. By adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. The proposed project, as designed, includes a fueling station and convenience store. The convenience store would be able to serve the project's residential component as well as nearby residents. The project's commercial component would, therefore, shorten trips for the future project residents and the local community that would have traveled otherwise for the services provided by the project's retail use. In addition, it is reasonable to assume that the commercial component would not create additional trips to the local area as the convenience store and fueling station would not be an ultimate destination, but rather would serve travelers already passing through the area along freeway. Thus, the project's commercial component meets the OPR Guidance screening criteria for local-serving retail uses and would result in a less-than-significant impact.

Consistent with OPR Guidance, the correct tool to perform a VMT analysis should be consistent with the tool that was used to generate the jurisdictional averages for the location in which a project resides, in order to provide an apples-to-apples comparison. The City of Dixon has developed its own Dixon Travel Demand Model (City Model) with the assistance of DKS Associates. In an effort to provide a project-level VMT analysis consistent with the City's baseline VMT data, Urban Crossroads coordinated with DKS Associates to obtain project-level VMT calculations for baseline conditions, project-level model runs, and calculations of project-generated VMT by the project's traffic analysis zones. The City Model is a three-step model maintained by the City to forecast local vehicular traffic flows. The model's baseline scenario was calibrated to land uses representative of late 2018 and spring 2019 traffic counts. Model inputs include housing units and employment by type. The model outputs include average weekday trip generation and distribution, as well as traffic assignments by time period. The City Model can be used to estimate total daily VMT for both internal-internal trips and internal-external

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<sup>38</sup> Governor's Office of Planning and Research. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018.

<sup>39</sup> Urban Crossroads. *Lincoln Square Vehicle Miles Traveled (VMT) Analysis*. October 12, 2021.

trips. While the City has not officially adopted VMT baselines and thresholds of significance, a reference baseline was calculated for the purposes of Urban Crossroad's VMT analysis. As noted in the OPR Guidance, residential projects exceeding a level of 15 percent below existing VMT per capita may indicate a significant transportation impact. Therefore, the VMT analysis determined the City of Dixon VMT per capita through inputs into the City Model, in combination with population by Transportation Analysis Zone (TAZ) as developed for the City's General Plan. The daily VMT per capita for the City is 21.78.

To prepare a project-level VMT analysis, the proposed project's residential land use program was entered into the City Model. The VMT calculations steps used to determine the Citywide average daily VMT per capita were repeated to observe how the VMT at the TAZ level changed with the addition of the proposed project's land use characteristics. The project's VMT per capita was determined to be 17.26. Because the project's VMT per capita is approximately 20.75 percent below the City's existing VMT per capita, in accordance with OPR Guidance, the project's residential component would result in a less-than-significant impact.

Based on the above, the proposed project would not conflict or be inconsistent with CEQA Guidelines Section 15064.3(b), and a ***less-than-significant*** impact would occur.

- c,d. The proposed project does not include changes to existing roadways or the introduction of an incompatible use or any design features that would be considered hazardous. Site access would be provided by way of new access points along North Lincoln Street and SR 113, which are principal arterials in the City. The project site's entrances and exits would conform with applicable design standards and requirements contained in the Municipal Code and the City's Engineering Design Standards. This would ensure that the additional traffic entering and existing the site would not pose hazards to through traffic on North Lincoln Street and SR 113.

As part of Section 17.10.020 of the Municipal Code, general access requirements for subdivisions include the requirement that new neighborhood roadways in the subdivision provide access to collector streets or major streets and be adequate to safely accommodate the composition and volume of vehicular traffic generated by the subdivision's land uses. Additionally, in determining the adequacy of a route of access, the deployment of fire equipment or other services under emergency conditions through a new neighborhood road are considered as part of the subdivision design standards. Consistent with Section 17.10.070 of the Municipal Code, which discourages excessively long, straight residential streets, both Street A and Street B would be designed to gently curve in order to slow traffic and provide visual relief. Furthermore, the City's Engineering Design Standards include requirements for residential and commercial driveways, which would be subject to approval by the City Engineer prior to approval of the project's final improvement plans.

Based on the above information, the proposed project would not substantially increase hazards due to design features or incompatible uses, and emergency access to the site would be adequate. However, during construction of the proposed project, the possibility exists for potential impacts; for example, construction activities could include disruptions to the transportation network near the project site. Such disruptions would include the possibility of temporary lane closures, street closures, sidewalk closures, and bikeway closures. In addition, heavy-truck traffic would temporarily increase due to delivery of

construction materials. The above-noted factors could disrupt vehicle, bicycle and transit access and increase safety conflicts, resulting in a **potentially significant** impact.

**Mitigation Measure(s)**

Implementation of the following mitigation measure would reduce the above impact to a *less-than-significant* level.

*XVII-1 Prior to any construction activities at the project site, the project applicant shall prepare a detailed Construction Traffic Control Plan and submit it for review and approval to the City Department of Engineering/Utilities. The applicant and the City shall consult with Caltrans, Read-Ride, and local emergency service providers for their input prior to approving the Plan. The plan shall ensure that acceptable operating conditions on local and State roadways and freeway facilities are maintained during construction. At a minimum, the plan shall include:*

- *The number of truck trips, time, and day of street closures;*
- *Time of day of arrival and departure of trucks;*
- *Limitations on the size and type of trucks, provision of a staging area with a limitation on the number of trucks that can be waiting;*
- *Provision of a truck circulation pattern;*
- *Provision of driveway access plan so that safe vehicular, pedestrian, and bicycle movements are maintained (e.g., steel plates, minimum distances of open trenches, and private vehicle pick up and drop off areas);*
- *Safe and efficient access routes for emergency vehicles;*
- *Manual traffic control, when necessary;*
- *Proper advance warning and posted signage concerning street closures; and*
- *Provisions for pedestrian safety.*

*A copy of the Construction Traffic Control Plan shall be submitted to local emergency response agencies, and the agencies shall be notified at least 14 days prior to the commencement of construction that would partially or fully obstruct roadways.*

**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:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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).	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion**

a,b. As discussed in Section V, Cultural Resources, of this IS/MND, the CRS prepared for the proposed project concluded that the project site does not contain any recorded historic buildings or structures on any lists of historic resources. The CRS similarly determined the site does not contain any recorded archaeological resources. In addition, as noted in the CRS, a request was sent by Raney Planning & Management, Inc. to the NAHC seeking information from the Sacred Lands File regarding the project site, which returned results indicating the site does not contain any known tribal cultural resources.

In compliance with AB 52 (PRC Section 21080.3.1), a project notification letter was distributed to the Cachil Dehe Band of Wintun Indians of the Colusa Indian Community, Cortina Rancheria – Kletsel Dehe Band of Wintun Indians, and the Yocha Dehe Wintun Nation. The letters were distributed on July 7, 2021. The Yocha Dehe Wintun Nation submitted a response on August 4, 2021 requesting formal consultation with the lead agency, and, as such, the City, as the lead agency, initiated consultation with the tribe and met with the tribe on September 15, 2021. The Yocha Dehe Wintun Nation indicated concerns regarding the project’s potential to impact resources and requested certain mitigation measures be included in the CEQA document. Yocha Dehe Wintun Nation also requested an opportunity to discuss the site and potential for resources with Tom Origer & Associates – the cultural consultant for the proposed project. Mr. Laverne Bill of the Yocha Dehe Wintun Nation discussed their concerns and approach to mitigation with Tom Origer of Origer & Associates on September 20, 2021. The results of the correspondence produced the Archaeological Recommendations in Origer & Associate’s report that are included below in the form of mitigation.

Based on the above, the possibility exists that construction of the proposed project could result in a substantial adverse change in the significance of a tribal cultural resource. Thus, a **potentially significant** impact to tribal cultural resources could occur.

Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level.

XVIII-1 *Prior to commencement of construction activities, the applicant shall arrange for a member of Yocha Dehe Wintun Nation to conduct Cultural Sensitivity Training to the construction crew. Generally, the training would consist of a presentation to the construction crew about types of resources and evidence thereof, role of the Tribe, what to do if resources are uncovered, etc. To schedule Cultural Sensitivity Training prior to commencement of construction, the applicant shall contact the Cultural Resources Department Administrative Staff, Yocha Dehe Wintun Nation, Office (530) 796-3400, Email: THPO@yochadehe-nsn.gov. Proof of compliance with this measure shall be provided to the Dixon Community Development Department.*

XVIII-2 *Prior to commencement of construction activities, the applicant shall retain an archaeologist to prepare a written monitoring plan that describes the role of the tribal monitors, archaeological monitors, and developer's representatives, timelines for advanced notification to Yocha Dehe Wintun Nation prior to grading, and the procedures to follow in the event archaeological/tribal remains are uncovered. The procedures shall comply with Yocha Dehe Wintun Nation's "Treatment Protocol for Handling Human Remains and Cultural Items Affiliated with the Yocha Dehe Wintun Nation." Proof of compliance shall be provided to the Dixon Community Development Department.*

XVIII-3 *During grading, excavating, and trenching of soils within a 300-foot (north-to-south direction) by 200-foot (east-to-west direction) portion of the southwest corner of the project site, a tribal monitor and archaeological monitor shall be present on-site.*

*During deep excavation/trenching for sewer mains, storm drains, waterlines, etc. in all portions of the project site, a tribal monitor and archaeological monitor shall be present on-site.*

*The foregoing measures shall be included in the project's written monitoring plan, required in Mitigation Measure XVIII-2.*

**XIX. UTILITIES AND SERVICE SYSTEMS.**

*Would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>

**Discussion**

a-c. Brief discussions of the water, wastewater, stormwater drainage, electrical, natural gas, and telecommunications facilities that would serve the proposed project are included below.

**Water**

The proposed project would be provided water service by the City through new connections to the existing 12-inch mains in North Lincoln Street and SR 113 (see Figure 10). According to the General Plan EIR, the City's water service area includes approximately 2,700 service connections, serving a population of approximately 8,400. The City's water service area is divided into three sub-areas: North Zone, Core Zone, and South Zone. Approximately 93 percent of the customers served within the sub-areas are residential, with the remainder a collection of commercial, industrial, government, and landscape customers. The project site is located within the Core Zone.

As previously discussed, the City relies exclusively on groundwater for water supply from the Solano Groundwater Subbasin. According to the General Plan EIR, the City's water demand in 2015 was 2.37 million gallons per day (MGD). The projected additional citywide water demand at buildout of the General Plan Planning Area, which would include an additional 9,087 additional residents, would be an additional 0.94 MGD, or about 40 percent of the 2015 demand. The City operates a total of five groundwater wells, which have a total capacity of about 12.2 MGD or 13,700 acre-feet per year (AFY). For planning purposes, the City assumes a firm water supply calculated as the total supply available with the largest well out of service. The City's existing firm water supply is 6.0 MGD or 6,800 AFY. The City's 2016 Water System Master Plan and Strategic Asset Management

Plan<sup>40</sup> has recommended four additional wells be constructed to meet buildout demand projections. The total buildout supply capacity with the recommended new wells is projected to be 23,400 AFY with the firm supply capacity (assuming the largest well out of service) to be 17.3 MGD or 19,400 AFY. Therefore, based on the projected demand and capacity of water supply available to the City, the General Plan EIR concluded new wells beyond the existing and planned wells would not be required to accommodate buildout of the General Plan. Given that the proposed project is consistent with the project site's General Plan land use designation and would comply with all applicable regulations and standards contained in the Municipal Code, the proposed project would not require or result in the relocation or construction of new or expanded water facilities beyond what were previously determined in the General Plan EIR.

Furthermore, the General Plan EIR determined that even in dry and multiple dry years, the Solano Groundwater Subbasin levels have been relatively stable. Since the construction of the Solano Project and the Monticello Dam in the 1950s, groundwater levels have remained consistent throughout the County, with major land subsidence not detected, and well levels dropping and rising seasonally, even during the multi-year drought from 2011 to 2017. Per the General Plan EIR, the relative stability of the subbasin levels indicates that even in dry and multiple dry years, the City is likely to have adequate water supply. As such, the City would have sufficient water supplies to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years.

### **Wastewater**

The City owns and operates a sewer system and wastewater treatment facility (WWTF), with the City's Public Works Department responsible for providing services in the City. Primary services provided by the City for the wastewater system are collection, treatment, disposal, and maintenance. The sewer system, which includes approximately 5,000 connections, generally flows from the north and west to the south and east, with pipes sized starting at six inches adjacent to I-80, eventually connecting to the 42-inch trunk line at the south edge of town, which transports the influent to the WWTF, located on farmland to the southeast of the City. The system also has two lift stations within the southwest portion of the City limits. In 2016, the City completed an upgrade to WWTF, replacing 130-acre treatment ponds with an oxidation ditch design. The upgrade implemented an activated sludge treatment process that required much less land than the original aerated pond process. Phase 1 of the WWTF upgrade increased the average annual flow (AAF) capacity of the WWTF to 1.9 MGD and was constructed on four acres in a 14-acre site at the north edge of the original WWTF, which covered 430 acres. The Phase 1 upgrade/expansion was designed so that the WWTF can be further expanded to an AAF capacity of 2.5 MGD. Per the General Plan EIR, the flows to the WWTF were approximately 1.2 MGD in 2014, and the City has additional land (in the 14-acre site) that could be used to further expand the WWTF beyond 2.5 MGD without reducing the area used for land application. Additionally, the City collects wastewater rates and impact fees to fund the operation, maintenance, and expansion of the collection system and WWTF, ensuring the financial capacity to make any necessary improvements in full compliance with any applicable regulations. Section 4.07.100 of the City's Municipal Code established such fees. Based on the WWTF's ability to be expanded to accommodate treatment and disposal, the General Plan EIR concluded the City would have sufficient capacity to

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<sup>40</sup> City of Dixon. *2016 Water System Master Plan and Strategic Asset Management Plan*. Available at: <https://www.cityofdixon.us/departments/Water/WaterSystemMasterPlan>. Accessed June 2021.



accommodate the projected wastewater flows at buildout of the General Plan Planning Area.

The proposed project would connect to the City's sanitary sewer system through new connections to the existing eight-inch main in North Lincoln Street and the existing 12-inch main in SR 113. In addition to the wastewater generated by the on-site residences and convenience store restrooms, the proposed car wash is anticipated to discharge 686 gallons per day to the sewer.<sup>41</sup> Given that the proposed project is consistent with the project site's General Plan land use designation and would comply with all applicable regulations and standards contained in the Municipal Code, the proposed project would not require or result in the relocation or construction of new or expanded wastewater treatment facilities beyond what were previously determined in the General Plan EIR. Additionally, the City would have adequate capacity to serve the project's projected wastewater services demand in addition to the City's existing commitments.

### **Stormwater**

Issues related to stormwater infrastructure are discussed in Section X, Hydrology and Water Quality, of this IS/MND. As noted therein, the proposed project would include on-site DMAs and, therefore, would not significantly increase stormwater flows into the City's existing system. The final drainage system design for the project would be subject to review and approval by the City of Dixon City Engineer to confirm that the proposed drainage system for the project is consistent with the City's Engineering Design Standards. Therefore, the proposed project would not require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

### **Electricity, Natural Gas, and Telecommunications**

Electricity and natural gas would be provided by PG&E by way of existing electrical and natural gas infrastructure in the project vicinity. Internet and telephone services would be provided by AT&T or a similar service provider operating within the City. The project would not require major upgrades to, or extension of, existing infrastructure. Thus, impacts to electricity, natural gas, and telecommunications infrastructure would be less than significant.

### **Conclusion**

Based on the above information, the proposed project would not require or result in the relocation or construction of new or expanded utility facilities, the construction or relocation of which could cause significant environmental effects. Additionally, the City would have sufficient water supplies to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years and adequate capacity to serve the project's projected wastewater services demand in addition to the City's existing commitments. Therefore, the project would result in a ***less-than-significant*** impact.

- d,e. Solid waste disposal services are provided in the General Plan Planning Area by Recology Dixon, a private company under contract with the City. Recology Dixon provides weekly curbside collection of garbage, recycling, and yard waste, and operates the Dixon Recycle Center, located in the City. Household hazardous waste disposal services are provided by Recology Dixon at the Household Hazardous Waste Facility in the City of Vacaville. Solid

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<sup>41</sup> New Wave Industries. *Rotten Robbie PDQ Laser 360 Plus Water Usage Information*. December 20, 2021.

waste collected in the Planning Area is transported to the Hay Road Landfill located eight miles south of the City, operated by Recology. According to the General Plan EIR, in 2017, the City sent 17,834 tons of waste to the landfill, or an average of about 40 tons per day. The landfill has a permitted capacity of 2,400 tons per day, with an estimated total permitted capacity of 34,697,000 cubic yards. The total estimated capacity used, as of April 2013, was 6,559,000 cubic yards (18.9 percent of total permitted capacity). The estimated closure date of the currently permitted facility is 2068. In 2018, Recology released a Notice of Preparation stating an intent to expand the Hay Road Landfill by 8,800,000 cubic yards and extend the estimated life of the landfill by approximately nine years.

From 2008 to 2017, the average per capita disposal rate for residents was 4.3 pounds per person per day (PPD), and 14.4 PPD for employees in the City. Projected growth from buildout of the Planning Area would result in about 7,300 extra tons of waste per year, or combined with the City's average yearly disposal from 2008 to 2017, an average of about 60 tons per day, amounting to only 2.5 percent of the landfill's daily permitted capacity. Based on the projections, the General Plan EIR concluded buildout of the General Plan Planning Area would not result in solid waste generation that exceeds capacity at the Hay Road Landfill. Additionally, the General Plan contains numerous policies aimed at reduction and diversion from landfills of solid waste including by providing recycling receptacles throughout Dixon, requiring development of a construction waste diversion ordinance, increasing public education around waste reduction and diversion, and facilitating citywide goods donation and garage sale events. All new development must also comply with the CALGreen Code, which requires diversion of at least 65 percent of construction waste from landfills.

Given that the proposed project is generally consistent with the project site's General Plan land use designation and would comply with all applicable regulations and standards contained in the Municipal Code, 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. The project would comply with federal, State, and local management and reduction statutes and regulations related to solid waste. Therefore, the project would result in a ***less-than-significant*** impact.

**XX. WILDFIRE.**

*If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:*

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

a-d. According to CAL FIRE’s Fire and Resource Assessment Program, the project site is located within a LRA – Incorporated. CAL FIRE has determined that the County does not contain VHFH Severity Zones in LRAs. Furthermore, the proposed project would not conflict with the City’s Emergency Operation Plan. The project site is not located on a substantial slope, and the project area does not include any existing features that would substantially increase fire risk for future residents. As discussed in Section VII, Geology and Soils, and Section X, Hydrology and Water Quality, of this IS/MND, development of the proposed project would not expose people or structures to significant risks related to flooding or landslides.

Furthermore, the proposed project would be generally consistent with what was anticipated for the project site in the City’s General Plan. Therefore, development of the site has been previously anticipated and analyzed in the General Plan EIR. The General Plan EIR concludes that compliance with the California Fire Code, California Building Code, the California Strategic Fire Plan, and Chapter 16.02 of the City’s Municipal Code, as well as the involvement of the Dixon Fire Department in the development review process, would ensure that impacts related to wildfire hazards would be less than significant.

Based on the above, regulations are in place to ensure that the proposed project would not expose people or structures to the risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands, and a **less-than-significant** impact would occur.

**XXI. MANDATORY FINDINGS OF SIGNIFICANCE.**

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
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)?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<b>✘</b>	<input type="checkbox"/>

**Discussion**

- a. As described throughout this IS/MND, while implementation of the proposed project would have the potential to adversely impact the environment by reducing available habitat for Swainson’s hawk, burrowing owl, white-tailed kite, and migratory birds, Mitigation Measures IV-1 through IV-10 would ensure that impacts to special-status species would be less-than-significant. The project site has been previously disturbed, and does not contain any known historic or prehistoric resources. Thus, implementation of the proposed project is not anticipated to have the potential to result in impacts related to historic or prehistoric resources. Nevertheless, Mitigation Measures V-1 and V-2 would ensure that in the event that historic or prehistoric resources are discovered within the project site, such resources are protected in compliance with the requirements of CEQA. The proposed project would implement and comply with applicable General Plan policies and Municipal Code standards, as discussed throughout this IS/MND. With implementation of the mitigation measures required by this IS/MND, compliance with General Plan policies, Municipal Code standards, and application of standard BMPs during construction, development of the proposed project would not result in any of the following: 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. Therefore, a **less-than-significant** impact would occur.
- b. The proposed project in conjunction with other development within the City of Dixon could incrementally contribute to cumulative impacts in the area. However, as demonstrated in this IS/MND, all potential environmental impacts that could occur as a result of project implementation would be reduced to a less-than-significant level through compliance with the mitigation measures included in this IS/MND, as well as applicable General Plan policies, Municipal Code standards, and other applicable local and State regulations. In addition, the project would be consistent with the site’s existing land use designation. The project site is surrounded by existing development and is located in an urbanized setting.

Accordingly, buildout of the site for residential and commercial uses was generally considered in the cumulative analysis of buildout of the General Plan Planning Area within the General Plan EIR.

As demonstrated throughout this IS/MND, the proposed project would not result in any significant environmental impacts peculiar to the project, and, thus, the proposed project would not contribute any new or additional impacts not previously analyzed in the General Plan EIR. Therefore, when viewed in conjunction with other closely related past, present, or reasonably foreseeable future projects, development of the proposed project would not result in a cumulatively considerable contribution to cumulative impacts in the City, and the project's incremental contribution to cumulative impacts would be ***less than significant***.

- c. As described in this IS/MND, the proposed project would comply with all applicable General Plan policies, Municipal Code standards, other applicable local and State regulations, and mitigation measures included herein. In addition, as discussed in Section III, Air Quality, Section IX, Hazards and Hazardous Materials, and Section XIII, Noise, of this IS/MND, the proposed project would not cause substantial effects to human beings, including effects related to exposure to air pollutants, hazardous materials and noise. Therefore, the proposed project's impact would be ***less than significant***.

## **Appendix A**

### CalEEMod and AERMOD Results

Lincoln Square Project - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Lincoln Square Project  
Yolo/Solano AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	30.00	Space	1.90	12,000.00	0
Single Family Housing	101.00	Dwelling Unit	11.00	181,800.00	289
Convenience Market with Gas Pumps	8.00	Pump	0.03	4,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	4	<b>Operational Year</b>	2024		
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	203.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Lot acreage adjusted per AQ Questionnaire and site plan.

Construction Phase - Phase timing based on AQ Questionnaires for each component.

Trips and VMT - Site prep and grading phase haul trip lengths adjusted per applicant-provided information for commercial component.

Grading - Material import and export based on AQ Questionnaire for commercial component.

Vehicle Trips - Trip generation rate adjusted based on information provided by the project-specific traffic consultant.

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Outdoor water conservation strategy applied in order to reflect compliance with MWELO.

Lincoln Square Project - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	300.00	120.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	300.00	480.00
tblConstructionPhase	NumDays	20.00	480.00
tblGrading	MaterialExported	0.00	500.00
tblGrading	MaterialExported	0.00	500.00
tblGrading	MaterialImported	0.00	500.00
tblLandUse	LandUseSquareFeet	1,129.40	4,500.00
tblLandUse	LotAcreage	0.27	1.90
tblLandUse	LotAcreage	32.79	11.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripNumber	63.00	62.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	65.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	14.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	322.50	161.75
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	322.50	161.75
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	322.50	161.75



Lincoln Square Project - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	WD_TR	9.44	5.20
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**2.0 Emissions Summary**

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Lincoln Square Project - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	1.4195	3.6363	3.7043	7.0500e-003	0.3165	0.1775	0.4940	0.1270	0.1670	0.2940	0.0000	617.5074	617.5074	0.1273	9.2600e-003	623.4476
2023	0.6423	2.1282	2.5134	4.6700e-003	0.0613	0.1009	0.1622	0.0166	0.0955	0.1121	0.0000	408.3605	408.3605	0.0750	6.2100e-003	412.0849
2024	0.0716	0.1825	0.2305	4.3000e-004	5.7500e-003	8.1200e-003	0.0139	1.5500e-003	7.7000e-003	9.2500e-003	0.0000	37.5221	37.5221	6.6600e-003	5.4000e-004	37.8497
<b>Maximum</b>	<b>1.4195</b>	<b>3.6363</b>	<b>3.7043</b>	<b>7.0500e-003</b>	<b>0.3165</b>	<b>0.1775</b>	<b>0.4940</b>	<b>0.1270</b>	<b>0.1670</b>	<b>0.2940</b>	<b>0.0000</b>	<b>617.5074</b>	<b>617.5074</b>	<b>0.1273</b>	<b>9.2600e-003</b>	<b>623.4476</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	1.4195	3.6363	3.7043	7.0500e-003	0.3165	0.1775	0.4940	0.1270	0.1670	0.2940	0.0000	617.5068	617.5068	0.1273	9.2600e-003	623.4470
2023	0.6423	2.1282	2.5134	4.6700e-003	0.0613	0.1009	0.1622	0.0166	0.0955	0.1121	0.0000	408.3601	408.3601	0.0750	6.2100e-003	412.0845
2024	0.0716	0.1825	0.2305	4.3000e-004	5.7500e-003	8.1200e-003	0.0139	1.5500e-003	7.7000e-003	9.2500e-003	0.0000	37.5220	37.5220	6.6600e-003	5.4000e-004	37.8497
<b>Maximum</b>	<b>1.4195</b>	<b>3.6363</b>	<b>3.7043</b>	<b>7.0500e-003</b>	<b>0.3165</b>	<b>0.1775</b>	<b>0.4940</b>	<b>0.1270</b>	<b>0.1670</b>	<b>0.2940</b>	<b>0.0000</b>	<b>617.5068</b>	<b>617.5068</b>	<b>0.1273</b>	<b>9.2600e-003</b>	<b>623.4470</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2022	5-31-2022	1.9367	1.9367
2	6-1-2022	8-31-2022	1.8033	1.8033
3	9-1-2022	11-30-2022	1.0543	1.0543
4	12-1-2022	2-28-2023	0.7040	0.7040
5	3-1-2023	5-31-2023	0.7002	0.7002
6	6-1-2023	8-31-2023	0.6997	0.6997
7	9-1-2023	11-30-2023	0.6932	0.6932
8	12-1-2023	2-29-2024	0.4821	0.4821
		Highest	1.9367	1.9367

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8087	0.0271	2.2601	3.2400e-003		0.2236	0.2236		0.2236	0.2236	23.0823	1.2257	24.3080	0.0504	1.1100e-003	25.8980
Energy	0.0146	0.1245	0.0532	7.9000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	222.0036	222.0036	0.0154	4.1700e-003	223.6302
Mobile	0.8910	1.2666	7.7267	0.0158	1.5291	0.0139	1.5430	0.4093	0.0130	0.4223	0.0000	1,483.0553	1,483.0553	0.1045	0.0849	1,510.9577
Waste						0.0000	0.0000		0.0000	0.0000	22.8791	0.0000	22.8791	1.3521	0.0000	56.6820
Water						0.0000	0.0000		0.0000	0.0000	2.1143	4.6965	6.8107	0.2179	5.2200e-003	13.8140
<b>Total</b>	<b>2.7142</b>	<b>1.4182</b>	<b>10.0400</b>	<b>0.0198</b>	<b>1.5291</b>	<b>0.2476</b>	<b>1.7767</b>	<b>0.4093</b>	<b>0.2467</b>	<b>0.6560</b>	<b>48.0757</b>	<b>1,710.9810</b>	<b>1,759.0567</b>	<b>1.7403</b>	<b>0.0954</b>	<b>1,830.9819</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8235	8.6400e-003	0.7500	4.0000e-005		4.1600e-003	4.1600e-003		4.1600e-003	4.1600e-003	0.0000	1.2257	1.2257	1.1800e-003	0.0000	1.2551
Energy	0.0146	0.1245	0.0532	7.9000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	222.0036	222.0036	0.0154	4.1700e-003	223.6302
Mobile	0.8869	1.2570	7.6685	0.0156	1.5138	0.0138	1.5276	0.4052	0.0129	0.4181	0.0000	1,468.7586	1,468.7586	0.1038	0.0842	1,496.4490
Waste						0.0000	0.0000		0.0000	0.0000	22.8791	0.0000	22.8791	1.3521	0.0000	56.6820
Water						0.0000	0.0000		0.0000	0.0000	2.1143	4.4245	6.5387	0.2179	5.2100e-003	13.5393
<b>Total</b>	<b>1.7250</b>	<b>1.3901</b>	<b>8.4717</b>	<b>0.0165</b>	<b>1.5138</b>	<b>0.0280</b>	<b>1.5418</b>	<b>0.4052</b>	<b>0.0271</b>	<b>0.4323</b>	<b>24.9934</b>	<b>1,696.4123</b>	<b>1,721.4056</b>	<b>1.6904</b>	<b>0.0936</b>	<b>1,791.5556</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>36.45</b>	<b>1.98</b>	<b>15.62</b>	<b>16.92</b>	<b>1.00</b>	<b>88.70</b>	<b>13.22</b>	<b>1.00</b>	<b>89.01</b>	<b>34.09</b>	<b>48.01</b>	<b>0.85</b>	<b>2.14</b>	<b>2.87</b>	<b>1.87</b>	<b>2.15</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Commercial: Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
2	Commercial: Grading	Grading	3/15/2022	3/28/2022	5	10	
3	Commercial: Paving	Paving	3/29/2022	4/6/2022	5	7	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

4	Commercial:Building Construction	Building Construction	4/7/2022	9/21/2022	5	120
5	Commercial:Arch Coating	Architectural Coating	4/21/2022	10/5/2022	5	120
6	Residential:Grading	Grading	3/1/2022	3/28/2022	5	20
7	Residential:Paving	Paving	3/29/2022	3/30/2022	5	2
8	Residential:Building Construction	Building Construction	3/31/2022	1/31/2024	5	480
9	Residential:Arch Coating	Architectural Coating	4/14/2022	2/14/2024	5	480

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 30**

**Acres of Paving: 1.9**

**Residential Indoor: 368,145; Residential Outdoor: 122,715; Non-Residential Indoor: 6,750; Non-Residential Outdoor: 2,250; Striped Parking Area: 720 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Commercial: Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Commercial: Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Commercial:Arch Coating	Air Compressors	1	6.00	78	0.48
Commercial:Building Construction	Cranes	1	7.00	231	0.29
Commercial:Grading	Excavators	2	8.00	158	0.38
Commercial:Building Construction	Forklifts	3	8.00	89	0.20
Commercial:Building Construction	Generator Sets	1	8.00	84	0.74
Commercial:Grading	Graders	1	8.00	187	0.41
Commercial:Paving	Pavers	2	8.00	130	0.42
Commercial:Paving	Paving Equipment	2	8.00	132	0.36
Commercial:Paving	Rollers	2	8.00	80	0.38
Commercial:Grading	Rubber Tired Dozers	1	8.00	247	0.40
Commercial:Grading	Scrapers	2	8.00	367	0.48
Commercial:Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Commercial:Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Commercial:Building Construction	Welders	1	8.00	46	0.45
Residential:Arch Coating	Air Compressors	1	6.00	78	0.48
Residential:Building Construction	Cranes	1	7.00	231	0.29
Residential:Grading	Excavators	2	8.00	158	0.38
Residential:Building Construction	Forklifts	3	8.00	89	0.20
Residential:Building Construction	Generator Sets	1	8.00	84	0.74
Residential:Grading	Graders	1	8.00	187	0.41
Residential:Paving	Pavers	2	8.00	130	0.42
Residential:Paving	Paving Equipment	2	8.00	132	0.36
Residential:Paving	Rollers	2	8.00	80	0.38
Residential:Grading	Rubber Tired Dozers	1	8.00	247	0.40
Residential:Grading	Scrapers	2	8.00	367	0.48
Residential:Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Residential:Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Residential:Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Commercial: Site Preparation	7	18.00	0.00	62.00	10.00	7.00	30.00	LD_Mix	HDT_Mix	HHDT
Commercial:Grading	8	20.00	0.00	125.00	10.00	7.00	30.00	LD_Mix	HDT_Mix	HHDT
Commercial:Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Commercial:Building Construction	9	43.00	14.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Commercial:Arch Coating	1	9.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Grading	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Building Construction	9	43.00	14.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Residential:Arch Coating	1	9.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
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**3.1 Mitigation Measures Construction**

**3.2 Commercial: Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
<b>Total</b>	<b>0.0159</b>	<b>0.1654</b>	<b>0.0985</b>	<b>1.9000e-004</b>	<b>0.0983</b>	<b>8.0600e-003</b>	<b>0.1064</b>	<b>0.0505</b>	<b>7.4200e-003</b>	<b>0.0579</b>	<b>0.0000</b>	<b>16.7197</b>	<b>16.7197</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8549</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Commercial: Site Preparation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	6.6300e-003	1.1300e-003	3.0000e-005	7.9000e-004	7.0000e-005	8.6000e-004	2.2000e-004	6.0000e-005	2.8000e-004	0.0000	2.7252	2.7252	1.0000e-005	4.3000e-004	2.8530
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	2.0400e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5525	0.5525	2.0000e-005	2.0000e-005	0.5577
<b>Total</b>	<b>4.1000e-004</b>	<b>6.8000e-003</b>	<b>3.1700e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>7.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-004</b>	<b>6.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>3.2777</b>	<b>3.2777</b>	<b>3.0000e-005</b>	<b>4.5000e-004</b>	<b>3.4107</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
<b>Total</b>	<b>0.0159</b>	<b>0.1654</b>	<b>0.0985</b>	<b>1.9000e-004</b>	<b>0.0983</b>	<b>8.0600e-003</b>	<b>0.1064</b>	<b>0.0505</b>	<b>7.4200e-003</b>	<b>0.0579</b>	<b>0.0000</b>	<b>16.7197</b>	<b>16.7197</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8549</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Commercial: Site Preparation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	6.6300e-003	1.1300e-003	3.0000e-005	7.9000e-004	7.0000e-005	8.6000e-004	2.2000e-004	6.0000e-005	2.8000e-004	0.0000	2.7252	2.7252	1.0000e-005	4.3000e-004	2.8530
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	2.0400e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5525	0.5525	2.0000e-005	2.0000e-005	0.5577
<b>Total</b>	<b>4.1000e-004</b>	<b>6.8000e-003</b>	<b>3.1700e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>7.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-004</b>	<b>6.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>3.2777</b>	<b>3.2777</b>	<b>3.0000e-005</b>	<b>4.5000e-004</b>	<b>3.4107</b>

**3.3 Commercial:Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0461	0.0000	0.0461	0.0183	0.0000	0.0183	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1942	0.1452	3.1000e-004		8.1700e-003	8.1700e-003		7.5200e-003	7.5200e-003	0.0000	27.2673	27.2673	8.8200e-003	0.0000	27.4878
<b>Total</b>	<b>0.0181</b>	<b>0.1942</b>	<b>0.1452</b>	<b>3.1000e-004</b>	<b>0.0461</b>	<b>8.1700e-003</b>	<b>0.0542</b>	<b>0.0183</b>	<b>7.5200e-003</b>	<b>0.0258</b>	<b>0.0000</b>	<b>27.2673</b>	<b>27.2673</b>	<b>8.8200e-003</b>	<b>0.0000</b>	<b>27.4878</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Commercial:Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-004	0.0134	2.2900e-003	6.0000e-005	1.5900e-003	1.4000e-004	1.7300e-003	4.4000e-004	1.3000e-004	5.7000e-004	0.0000	5.4943	5.4943	1.0000e-005	8.6000e-004	5.7520
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.2700e-003	1.0000e-005	7.4000e-004	0.0000	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6139	0.6139	2.0000e-005	2.0000e-005	0.6197
<b>Total</b>	<b>5.9000e-004</b>	<b>0.0136</b>	<b>4.5600e-003</b>	<b>7.0000e-005</b>	<b>2.3300e-003</b>	<b>1.4000e-004</b>	<b>2.4700e-003</b>	<b>6.4000e-004</b>	<b>1.3000e-004</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>6.1082</b>	<b>6.1082</b>	<b>3.0000e-005</b>	<b>8.8000e-004</b>	<b>6.3717</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0461	0.0000	0.0461	0.0183	0.0000	0.0183	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1942	0.1452	3.1000e-004		8.1700e-003	8.1700e-003		7.5200e-003	7.5200e-003	0.0000	27.2673	27.2673	8.8200e-003	0.0000	27.4877
<b>Total</b>	<b>0.0181</b>	<b>0.1942</b>	<b>0.1452</b>	<b>3.1000e-004</b>	<b>0.0461</b>	<b>8.1700e-003</b>	<b>0.0542</b>	<b>0.0183</b>	<b>7.5200e-003</b>	<b>0.0258</b>	<b>0.0000</b>	<b>27.2673</b>	<b>27.2673</b>	<b>8.8200e-003</b>	<b>0.0000</b>	<b>27.4877</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Commercial:Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-004	0.0134	2.2900e-003	6.0000e-005	1.5900e-003	1.4000e-004	1.7300e-003	4.4000e-004	1.3000e-004	5.7000e-004	0.0000	5.4943	5.4943	1.0000e-005	8.6000e-004	5.7520
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.2700e-003	1.0000e-005	7.4000e-004	0.0000	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6139	0.6139	2.0000e-005	2.0000e-005	0.6197
<b>Total</b>	<b>5.9000e-004</b>	<b>0.0136</b>	<b>4.5600e-003</b>	<b>7.0000e-005</b>	<b>2.3300e-003</b>	<b>1.4000e-004</b>	<b>2.4700e-003</b>	<b>6.4000e-004</b>	<b>1.3000e-004</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>6.1082</b>	<b>6.1082</b>	<b>3.0000e-005</b>	<b>8.8000e-004</b>	<b>6.3717</b>

**3.4 Commercial:Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8600e-003	0.0389	0.0510	8.0000e-005		1.9900e-003	1.9900e-003		1.8300e-003	1.8300e-003	0.0000	7.0097	7.0097	2.2700e-003	0.0000	7.0663
Paving	2.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>6.3500e-003</b>	<b>0.0389</b>	<b>0.0510</b>	<b>8.0000e-005</b>		<b>1.9900e-003</b>	<b>1.9900e-003</b>		<b>1.8300e-003</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>7.0097</b>	<b>7.0097</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>7.0663</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Commercial:Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.1900e-003	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3223	0.3223	1.0000e-005	1.0000e-005	0.3254
<b>Total</b>	<b>1.5000e-004</b>	<b>1.0000e-004</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3223</b>	<b>0.3223</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3254</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8600e-003	0.0389	0.0510	8.0000e-005		1.9900e-003	1.9900e-003		1.8300e-003	1.8300e-003	0.0000	7.0096	7.0096	2.2700e-003	0.0000	7.0663
Paving	2.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>6.3500e-003</b>	<b>0.0389</b>	<b>0.0510</b>	<b>8.0000e-005</b>		<b>1.9900e-003</b>	<b>1.9900e-003</b>		<b>1.8300e-003</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>7.0096</b>	<b>7.0096</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>7.0663</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Commercial:Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.1900e-003	0.0000	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3223	0.3223	1.0000e-005	1.0000e-005	0.3254
<b>Total</b>	<b>1.5000e-004</b>	<b>1.0000e-004</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3223</b>	<b>0.3223</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3254</b>

**3.5 Commercial:Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1024	0.9369	0.9818	1.6200e-003		0.0485	0.0485		0.0457	0.0457	0.0000	139.0352	139.0352	0.0333	0.0000	139.8679
<b>Total</b>	<b>0.1024</b>	<b>0.9369</b>	<b>0.9818</b>	<b>1.6200e-003</b>		<b>0.0485</b>	<b>0.0485</b>		<b>0.0457</b>	<b>0.0457</b>	<b>0.0000</b>	<b>139.0352</b>	<b>139.0352</b>	<b>0.0333</b>	<b>0.0000</b>	<b>139.8679</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Commercial:Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4300e-003	0.0417	0.0123	1.7000e-004	5.3100e-003	3.8000e-004	5.6900e-003	1.5400e-003	3.7000e-004	1.9000e-003	0.0000	15.9557	15.9557	7.0000e-005	2.4300e-003	16.6809
Worker	7.4000e-003	5.0100e-003	0.0586	1.7000e-004	0.0190	1.1000e-004	0.0191	5.0500e-003	1.0000e-004	5.1500e-003	0.0000	15.8378	15.8378	5.2000e-004	4.6000e-004	15.9887
<b>Total</b>	<b>8.8300e-003</b>	<b>0.0467</b>	<b>0.0709</b>	<b>3.4000e-004</b>	<b>0.0243</b>	<b>4.9000e-004</b>	<b>0.0248</b>	<b>6.5900e-003</b>	<b>4.7000e-004</b>	<b>7.0500e-003</b>	<b>0.0000</b>	<b>31.7936</b>	<b>31.7936</b>	<b>5.9000e-004</b>	<b>2.8900e-003</b>	<b>32.6695</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1024	0.9369	0.9818	1.6200e-003		0.0485	0.0485		0.0457	0.0457	0.0000	139.0350	139.0350	0.0333	0.0000	139.8677
<b>Total</b>	<b>0.1024</b>	<b>0.9369</b>	<b>0.9818</b>	<b>1.6200e-003</b>		<b>0.0485</b>	<b>0.0485</b>		<b>0.0457</b>	<b>0.0457</b>	<b>0.0000</b>	<b>139.0350</b>	<b>139.0350</b>	<b>0.0333</b>	<b>0.0000</b>	<b>139.8677</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Commercial:Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4300e-003	0.0417	0.0123	1.7000e-004	5.3100e-003	3.8000e-004	5.6900e-003	1.5400e-003	3.7000e-004	1.9000e-003	0.0000	15.9557	15.9557	7.0000e-005	2.4300e-003	16.6809
Worker	7.4000e-003	5.0100e-003	0.0586	1.7000e-004	0.0190	1.1000e-004	0.0191	5.0500e-003	1.0000e-004	5.1500e-003	0.0000	15.8378	15.8378	5.2000e-004	4.6000e-004	15.9887
<b>Total</b>	<b>8.8300e-003</b>	<b>0.0467</b>	<b>0.0709</b>	<b>3.4000e-004</b>	<b>0.0243</b>	<b>4.9000e-004</b>	<b>0.0248</b>	<b>6.5900e-003</b>	<b>4.7000e-004</b>	<b>7.0500e-003</b>	<b>0.0000</b>	<b>31.7936</b>	<b>31.7936</b>	<b>5.9000e-004</b>	<b>2.8900e-003</b>	<b>32.6695</b>

**3.6 Commercial:Arch Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7257					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.0845	0.1088	1.8000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	15.3195	15.3195	1.0000e-003	0.0000	15.3445
<b>Total</b>	<b>0.7380</b>	<b>0.0845</b>	<b>0.1088</b>	<b>1.8000e-004</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>	<b>0.0000</b>	<b>15.3195</b>	<b>15.3195</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>15.3445</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Commercial:Arch Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5500e-003	1.0500e-003	0.0123	4.0000e-005	3.9700e-003	2.0000e-005	4.0000e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	3.3149	3.3149	1.1000e-004	1.0000e-004	3.3465
<b>Total</b>	<b>1.5500e-003</b>	<b>1.0500e-003</b>	<b>0.0123</b>	<b>4.0000e-005</b>	<b>3.9700e-003</b>	<b>2.0000e-005</b>	<b>4.0000e-003</b>	<b>1.0600e-003</b>	<b>2.0000e-005</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>3.3149</b>	<b>3.3149</b>	<b>1.1000e-004</b>	<b>1.0000e-004</b>	<b>3.3465</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7257					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.0845	0.1088	1.8000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	15.3195	15.3195	1.0000e-003	0.0000	15.3444
<b>Total</b>	<b>0.7380</b>	<b>0.0845</b>	<b>0.1088</b>	<b>1.8000e-004</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>	<b>0.0000</b>	<b>15.3195</b>	<b>15.3195</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>15.3444</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Commercial:Arch Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5500e-003	1.0500e-003	0.0123	4.0000e-005	3.9700e-003	2.0000e-005	4.0000e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	3.3149	3.3149	1.1000e-004	1.0000e-004	3.3465
<b>Total</b>	<b>1.5500e-003</b>	<b>1.0500e-003</b>	<b>0.0123</b>	<b>4.0000e-005</b>	<b>3.9700e-003</b>	<b>2.0000e-005</b>	<b>4.0000e-003</b>	<b>1.0600e-003</b>	<b>2.0000e-005</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>3.3149</b>	<b>3.3149</b>	<b>1.1000e-004</b>	<b>1.0000e-004</b>	<b>3.3465</b>

**3.7 Residential:Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0920	0.0000	0.0920	0.0365	0.0000	0.0365	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0363	0.3884	0.2904	6.2000e-004		0.0164	0.0164		0.0150	0.0150	0.0000	54.5346	54.5346	0.0176	0.0000	54.9755
<b>Total</b>	<b>0.0363</b>	<b>0.3884</b>	<b>0.2904</b>	<b>6.2000e-004</b>	<b>0.0920</b>	<b>0.0164</b>	<b>0.1084</b>	<b>0.0365</b>	<b>0.0150</b>	<b>0.0516</b>	<b>0.0000</b>	<b>54.5346</b>	<b>54.5346</b>	<b>0.0176</b>	<b>0.0000</b>	<b>54.9755</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Residential:Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	3.9000e-004	4.5400e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2277	1.2277	4.0000e-005	4.0000e-005	1.2394
<b>Total</b>	<b>5.7000e-004</b>	<b>3.9000e-004</b>	<b>4.5400e-003</b>	<b>1.0000e-005</b>	<b>1.4700e-003</b>	<b>1.0000e-005</b>	<b>1.4800e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>1.2277</b>	<b>1.2277</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.2394</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0920	0.0000	0.0920	0.0365	0.0000	0.0365	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0363	0.3884	0.2904	6.2000e-004		0.0164	0.0164		0.0150	0.0150	0.0000	54.5345	54.5345	0.0176	0.0000	54.9755
<b>Total</b>	<b>0.0363</b>	<b>0.3884</b>	<b>0.2904</b>	<b>6.2000e-004</b>	<b>0.0920</b>	<b>0.0164</b>	<b>0.1084</b>	<b>0.0365</b>	<b>0.0150</b>	<b>0.0516</b>	<b>0.0000</b>	<b>54.5345</b>	<b>54.5345</b>	<b>0.0176</b>	<b>0.0000</b>	<b>54.9755</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Residential:Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	3.9000e-004	4.5400e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2277	1.2277	4.0000e-005	4.0000e-005	1.2394
<b>Total</b>	<b>5.7000e-004</b>	<b>3.9000e-004</b>	<b>4.5400e-003</b>	<b>1.0000e-005</b>	<b>1.4700e-003</b>	<b>1.0000e-005</b>	<b>1.4800e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>1.2277</b>	<b>1.2277</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.2394</b>

**3.8 Residential:Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1000e-003	0.0111	0.0146	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.0028	2.0028	6.5000e-004	0.0000	2.0190
Paving	2.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.5900e-003</b>	<b>0.0111</b>	<b>0.0146</b>	<b>2.0000e-005</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>2.0028</b>	<b>2.0028</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0190</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 Residential:Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.4000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0921	0.0921	0.0000	0.0000	0.0930
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0921</b>	<b>0.0921</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0930</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1000e-003	0.0111	0.0146	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.0028	2.0028	6.5000e-004	0.0000	2.0190
Paving	2.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.5900e-003</b>	<b>0.0111</b>	<b>0.0146</b>	<b>2.0000e-005</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>2.0028</b>	<b>2.0028</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0190</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 Residential:Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.4000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0921	0.0921	0.0000	0.0000	0.0930
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0921</b>	<b>0.0921</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0930</b>

**3.9 Residential:Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1681	1.5381	1.6118	2.6500e-003		0.0797	0.0797		0.0750	0.0750	0.0000	228.2494	228.2494	0.0547	0.0000	229.6164
<b>Total</b>	<b>0.1681</b>	<b>1.5381</b>	<b>1.6118</b>	<b>2.6500e-003</b>		<b>0.0797</b>	<b>0.0797</b>		<b>0.0750</b>	<b>0.0750</b>	<b>0.0000</b>	<b>228.2494</b>	<b>228.2494</b>	<b>0.0547</b>	<b>0.0000</b>	<b>229.6164</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3500e-003	0.0684	0.0203	2.7000e-004	8.7200e-003	6.3000e-004	9.3500e-003	2.5200e-003	6.0000e-004	3.1200e-003	0.0000	26.1940	26.1940	1.1000e-004	3.9900e-003	27.3844
Worker	0.0122	8.2200e-003	0.0962	2.8000e-004	0.0312	1.7000e-004	0.0313	8.2900e-003	1.6000e-004	8.4500e-003	0.0000	26.0004	26.0004	8.5000e-004	7.6000e-004	26.2481
<b>Total</b>	<b>0.0145</b>	<b>0.0767</b>	<b>0.1165</b>	<b>5.5000e-004</b>	<b>0.0399</b>	<b>8.0000e-004</b>	<b>0.0407</b>	<b>0.0108</b>	<b>7.6000e-004</b>	<b>0.0116</b>	<b>0.0000</b>	<b>52.1944</b>	<b>52.1944</b>	<b>9.6000e-004</b>	<b>4.7500e-003</b>	<b>53.6325</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1681	1.5381	1.6118	2.6500e-003		0.0797	0.0797		0.0750	0.0750	0.0000	228.2491	228.2491	0.0547	0.0000	229.6161
<b>Total</b>	<b>0.1681</b>	<b>1.5381</b>	<b>1.6118</b>	<b>2.6500e-003</b>		<b>0.0797</b>	<b>0.0797</b>		<b>0.0750</b>	<b>0.0750</b>	<b>0.0000</b>	<b>228.2491</b>	<b>228.2491</b>	<b>0.0547</b>	<b>0.0000</b>	<b>229.6161</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2022**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3500e-003	0.0684	0.0203	2.7000e-004	8.7200e-003	6.3000e-004	9.3500e-003	2.5200e-003	6.0000e-004	3.1200e-003	0.0000	26.1940	26.1940	1.1000e-004	3.9900e-003	27.3844
Worker	0.0122	8.2200e-003	0.0962	2.8000e-004	0.0312	1.7000e-004	0.0313	8.2900e-003	1.6000e-004	8.4500e-003	0.0000	26.0004	26.0004	8.5000e-004	7.6000e-004	26.2481
<b>Total</b>	<b>0.0145</b>	<b>0.0767</b>	<b>0.1165</b>	<b>5.5000e-004</b>	<b>0.0399</b>	<b>8.0000e-004</b>	<b>0.0407</b>	<b>0.0108</b>	<b>7.6000e-004</b>	<b>0.0116</b>	<b>0.0000</b>	<b>52.1944</b>	<b>52.1944</b>	<b>9.6000e-004</b>	<b>4.7500e-003</b>	<b>53.6325</b>

**3.9 Residential:Building Construction - 2023**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3462</b>	<b>301.3462</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1383</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8900e-003	0.0772	0.0242	3.5000e-004	0.0115	4.7000e-004	0.0120	3.3300e-003	4.5000e-004	3.7800e-003	0.0000	33.4117	33.4117	1.0000e-004	5.0800e-003	34.9289
Worker	0.0149	9.5900e-003	0.1175	3.6000e-004	0.0411	2.2000e-004	0.0414	0.0109	2.0000e-004	0.0111	0.0000	33.4163	33.4163	1.0100e-003	9.3000e-004	33.7185
<b>Total</b>	<b>0.0168</b>	<b>0.0868</b>	<b>0.1417</b>	<b>7.1000e-004</b>	<b>0.0526</b>	<b>6.9000e-004</b>	<b>0.0533</b>	<b>0.0143</b>	<b>6.5000e-004</b>	<b>0.0149</b>	<b>0.0000</b>	<b>66.8280</b>	<b>66.8280</b>	<b>1.1100e-003</b>	<b>6.0100e-003</b>	<b>68.6473</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3458</b>	<b>301.3458</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1380</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8900e-003	0.0772	0.0242	3.5000e-004	0.0115	4.7000e-004	0.0120	3.3300e-003	4.5000e-004	3.7800e-003	0.0000	33.4117	33.4117	1.0000e-004	5.0800e-003	34.9289
Worker	0.0149	9.5900e-003	0.1175	3.6000e-004	0.0411	2.2000e-004	0.0414	0.0109	2.0000e-004	0.0111	0.0000	33.4163	33.4163	1.0100e-003	9.3000e-004	33.7185
<b>Total</b>	<b>0.0168</b>	<b>0.0868</b>	<b>0.1417</b>	<b>7.1000e-004</b>	<b>0.0526</b>	<b>6.9000e-004</b>	<b>0.0533</b>	<b>0.0143</b>	<b>6.5000e-004</b>	<b>0.0149</b>	<b>0.0000</b>	<b>66.8280</b>	<b>66.8280</b>	<b>1.1100e-003</b>	<b>6.0100e-003</b>	<b>68.6473</b>

**3.9 Residential:Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1546	0.1859	3.1000e-004		7.0500e-003	7.0500e-003		6.6300e-003	6.6300e-003	0.0000	26.6627	26.6627	6.3000e-003	0.0000	26.8203
<b>Total</b>	<b>0.0169</b>	<b>0.1546</b>	<b>0.1859</b>	<b>3.1000e-004</b>		<b>7.0500e-003</b>	<b>7.0500e-003</b>		<b>6.6300e-003</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>26.6627</b>	<b>26.6627</b>	<b>6.3000e-003</b>	<b>0.0000</b>	<b>26.8203</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	6.8200e-003	2.0900e-003	3.0000e-005	1.0200e-003	4.0000e-005	1.0600e-003	2.9000e-004	4.0000e-005	3.3000e-004	0.0000	2.9001	2.9001	1.0000e-005	4.4000e-004	3.0319
Worker	1.2200e-003	7.6000e-004	9.6900e-003	3.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.8000e-004	0.0000	2.8812	2.8812	8.0000e-005	8.0000e-005	2.9060
<b>Total</b>	<b>1.3800e-003</b>	<b>7.5800e-003</b>	<b>0.0118</b>	<b>6.0000e-005</b>	<b>4.6600e-003</b>	<b>6.0000e-005</b>	<b>4.7200e-003</b>	<b>1.2600e-003</b>	<b>6.0000e-005</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>5.7813</b>	<b>5.7813</b>	<b>9.0000e-005</b>	<b>5.2000e-004</b>	<b>5.9379</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1546	0.1859	3.1000e-004		7.0500e-003	7.0500e-003		6.6300e-003	6.6300e-003	0.0000	26.6626	26.6626	6.3000e-003	0.0000	26.8202
<b>Total</b>	<b>0.0169</b>	<b>0.1546</b>	<b>0.1859</b>	<b>3.1000e-004</b>		<b>7.0500e-003</b>	<b>7.0500e-003</b>		<b>6.6300e-003</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>26.6626</b>	<b>26.6626</b>	<b>6.3000e-003</b>	<b>0.0000</b>	<b>26.8202</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	6.8200e-003	2.0900e-003	3.0000e-005	1.0200e-003	4.0000e-005	1.0600e-003	2.9000e-004	4.0000e-005	3.3000e-004	0.0000	2.9001	2.9001	1.0000e-005	4.4000e-004	3.0319
Worker	1.2200e-003	7.6000e-004	9.6900e-003	3.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.8000e-004	0.0000	2.8812	2.8812	8.0000e-005	8.0000e-005	2.9060
<b>Total</b>	<b>1.3800e-003</b>	<b>7.5800e-003</b>	<b>0.0118</b>	<b>6.0000e-005</b>	<b>4.6600e-003</b>	<b>6.0000e-005</b>	<b>4.7200e-003</b>	<b>1.2600e-003</b>	<b>6.0000e-005</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>5.7813</b>	<b>5.7813</b>	<b>9.0000e-005</b>	<b>5.2000e-004</b>	<b>5.9379</b>

**3.10 Residential:Arch Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2827					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0191	0.1317	0.1696	2.8000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.0000	23.8729	23.8729	1.5500e-003	0.0000	23.9118
<b>Total</b>	<b>0.3018</b>	<b>0.1317</b>	<b>0.1696</b>	<b>2.8000e-004</b>		<b>7.6400e-003</b>	<b>7.6400e-003</b>		<b>7.6400e-003</b>	<b>7.6400e-003</b>	<b>0.0000</b>	<b>23.8729</b>	<b>23.8729</b>	<b>1.5500e-003</b>	<b>0.0000</b>	<b>23.9118</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4100e-003	1.6300e-003	0.0191	6.0000e-005	6.1900e-003	3.0000e-005	6.2300e-003	1.6500e-003	3.0000e-005	1.6800e-003	0.0000	5.1657	5.1657	1.7000e-004	1.5000e-004	5.2149
<b>Total</b>	<b>2.4100e-003</b>	<b>1.6300e-003</b>	<b>0.0191</b>	<b>6.0000e-005</b>	<b>6.1900e-003</b>	<b>3.0000e-005</b>	<b>6.2300e-003</b>	<b>1.6500e-003</b>	<b>3.0000e-005</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>5.1657</b>	<b>5.1657</b>	<b>1.7000e-004</b>	<b>1.5000e-004</b>	<b>5.2149</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2827					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0191	0.1317	0.1696	2.8000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.0000	23.8729	23.8729	1.5500e-003	0.0000	23.9118
<b>Total</b>	<b>0.3018</b>	<b>0.1317</b>	<b>0.1696</b>	<b>2.8000e-004</b>		<b>7.6400e-003</b>	<b>7.6400e-003</b>		<b>7.6400e-003</b>	<b>7.6400e-003</b>	<b>0.0000</b>	<b>23.8729</b>	<b>23.8729</b>	<b>1.5500e-003</b>	<b>0.0000</b>	<b>23.9118</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4100e-003	1.6300e-003	0.0191	6.0000e-005	6.1900e-003	3.0000e-005	6.2300e-003	1.6500e-003	3.0000e-005	1.6800e-003	0.0000	5.1657	5.1657	1.7000e-004	1.5000e-004	5.2149
<b>Total</b>	<b>2.4100e-003</b>	<b>1.6300e-003</b>	<b>0.0191</b>	<b>6.0000e-005</b>	<b>6.1900e-003</b>	<b>3.0000e-005</b>	<b>6.2300e-003</b>	<b>1.6500e-003</b>	<b>3.0000e-005</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>5.1657</b>	<b>5.1657</b>	<b>1.7000e-004</b>	<b>1.5000e-004</b>	<b>5.2149</b>

**3.10 Residential:Arch Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
<b>Total</b>	<b>0.4180</b>	<b>0.1694</b>	<b>0.2355</b>	<b>3.9000e-004</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>	<b>0.0000</b>	<b>33.1923</b>	<b>33.1923</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>33.2419</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1100e-003	2.0100e-003	0.0246	8.0000e-005	8.6100e-003	5.0000e-005	8.6500e-003	2.2900e-003	4.0000e-005	2.3300e-003	0.0000	6.9941	6.9941	2.1000e-004	1.9000e-004	7.0574
<b>Total</b>	<b>3.1100e-003</b>	<b>2.0100e-003</b>	<b>0.0246</b>	<b>8.0000e-005</b>	<b>8.6100e-003</b>	<b>5.0000e-005</b>	<b>8.6500e-003</b>	<b>2.2900e-003</b>	<b>4.0000e-005</b>	<b>2.3300e-003</b>	<b>0.0000</b>	<b>6.9941</b>	<b>6.9941</b>	<b>2.1000e-004</b>	<b>1.9000e-004</b>	<b>7.0574</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
<b>Total</b>	<b>0.4180</b>	<b>0.1694</b>	<b>0.2354</b>	<b>3.9000e-004</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>	<b>0.0000</b>	<b>33.1923</b>	<b>33.1923</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>33.2419</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1100e-003	2.0100e-003	0.0246	8.0000e-005	8.6100e-003	5.0000e-005	8.6500e-003	2.2900e-003	4.0000e-005	2.3300e-003	0.0000	6.9941	6.9941	2.1000e-004	1.9000e-004	7.0574
<b>Total</b>	<b>3.1100e-003</b>	<b>2.0100e-003</b>	<b>0.0246</b>	<b>8.0000e-005</b>	<b>8.6100e-003</b>	<b>5.0000e-005</b>	<b>8.6500e-003</b>	<b>2.2900e-003</b>	<b>4.0000e-005</b>	<b>2.3300e-003</b>	<b>0.0000</b>	<b>6.9941</b>	<b>6.9941</b>	<b>2.1000e-004</b>	<b>1.9000e-004</b>	<b>7.0574</b>

**3.10 Residential:Arch Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0499					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9800e-003	0.0201	0.0299	5.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	4.2129	4.2129	2.4000e-004	0.0000	4.2188
<b>Total</b>	<b>0.0529</b>	<b>0.0201</b>	<b>0.0299</b>	<b>5.0000e-005</b>		<b>1.0100e-003</b>	<b>1.0100e-003</b>		<b>1.0100e-003</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>4.2129</b>	<b>4.2129</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>4.2188</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.3000e-004	2.9100e-003	1.0000e-005	1.0900e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8652	0.8652	2.0000e-005	2.0000e-005	0.8727
<b>Total</b>	<b>3.7000e-004</b>	<b>2.3000e-004</b>	<b>2.9100e-003</b>	<b>1.0000e-005</b>	<b>1.0900e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8652</b>	<b>0.8652</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.8727</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0499					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9800e-003	0.0201	0.0299	5.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	4.2129	4.2129	2.4000e-004	0.0000	4.2188
<b>Total</b>	<b>0.0529</b>	<b>0.0201</b>	<b>0.0299</b>	<b>5.0000e-005</b>		<b>1.0100e-003</b>	<b>1.0100e-003</b>		<b>1.0100e-003</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>4.2129</b>	<b>4.2129</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>4.2188</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.3000e-004	2.9100e-003	1.0000e-005	1.0900e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8652	0.8652	2.0000e-005	2.0000e-005	0.8727
<b>Total</b>	<b>3.7000e-004</b>	<b>2.3000e-004</b>	<b>2.9100e-003</b>	<b>1.0000e-005</b>	<b>1.0900e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8652</b>	<b>0.8652</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.8727</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Improve Pedestrian Network

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8869	1.2570	7.6685	0.0156	1.5138	0.0138	1.5276	0.4052	0.0129	0.4181	0.0000	1,468.7586	1,468.7586	0.1038	0.0842	1,496.4490
Unmitigated	0.8910	1.2666	7.7267	0.0158	1.5291	0.0139	1.5430	0.4093	0.0130	0.4223	0.0000	1,483.0553	1,483.0553	0.1045	0.0849	1,510.9577

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Convenience Market with Gas Pumps	1,294.00	1,294.00	1,294.00	2,552,907	2,527,378
Parking Lot	0.00	0.00	0.00		
Single Family Housing	525.20	525.20	525.20	1,552,323	1,536,800
<b>Total</b>	<b>1,819.20</b>	<b>1,819.20</b>	<b>1,819.20</b>	<b>4,105,230</b>	<b>4,064,178</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Convenience Market with Gas	10.00	5.00	7.00	0.80	80.20	19.00	100	0	0
Parking Lot	10.00	5.00	7.00	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	7.00	46.00	13.00	41.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market with Gas Pumps	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020
Parking Lot	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Single Family Housing	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	77.9152	77.9152	0.0126	1.5300e-003	78.6857
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	77.9152	77.9152	0.0126	1.5300e-003	78.6857
Natural Gas Mitigated	0.0146	0.1245	0.0532	7.9000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	144.0883	144.0883	2.7600e-003	2.6400e-003	144.9446
Natural Gas Unmitigated	0.0146	0.1245	0.0532	7.9000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	144.0883	144.0883	2.7600e-003	2.6400e-003	144.9446

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience Market with Gas Pumps	10530	6.0000e-005	5.2000e-004	4.3000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5619	0.5619	1.0000e-005	1.0000e-005	0.5653
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.68958e+006	0.0145	0.1239	0.0527	7.9000e-004		0.0100	0.0100		0.0100	0.0100	0.0000	143.5264	143.5264	2.7500e-003	2.6300e-003	144.3793
<b>Total</b>		<b>0.0146</b>	<b>0.1245</b>	<b>0.0532</b>	<b>7.9000e-004</b>		<b>0.0101</b>	<b>0.0101</b>		<b>0.0101</b>	<b>0.0101</b>	<b>0.0000</b>	<b>144.0883</b>	<b>144.0883</b>	<b>2.7600e-003</b>	<b>2.6400e-003</b>	<b>144.9446</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience Market with Gas Pumps	10530	6.0000e-005	5.2000e-004	4.3000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5619	0.5619	1.0000e-005	1.0000e-005	0.5653
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.68958e+006	0.0145	0.1239	0.0527	7.9000e-004		0.0100	0.0100		0.0100	0.0100	0.0000	143.5264	143.5264	2.7500e-003	2.6300e-003	144.3793
<b>Total</b>		<b>0.0146</b>	<b>0.1245</b>	<b>0.0532</b>	<b>7.9000e-004</b>		<b>0.0101</b>	<b>0.0101</b>		<b>0.0101</b>	<b>0.0101</b>	<b>0.0000</b>	<b>144.0883</b>	<b>144.0883</b>	<b>2.7600e-003</b>	<b>2.6400e-003</b>	<b>144.9446</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Convenience Market with Gas Pumps	46755	4.3260	7.0000e-004	8.0000e-005	4.3687
Parking Lot	4200	0.3886	6.0000e-005	1.0000e-005	0.3924
Single Family Housing	791155	73.2007	0.0118	1.4400e-003	73.9245
<b>Total</b>		<b>77.9152</b>	<b>0.0126</b>	<b>1.5300e-003</b>	<b>78.6857</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Convenience Market with Gas Pumps	46755	4.3260	7.0000e-004	8.0000e-005	4.3687
Parking Lot	4200	0.3886	6.0000e-005	1.0000e-005	0.3924
Single Family Housing	791155	73.2007	0.0118	1.4400e-003	73.9245
<b>Total</b>		<b>77.9152</b>	<b>0.0126</b>	<b>1.5300e-003</b>	<b>78.6857</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8235	8.6400e-003	0.7500	4.0000e-005		4.1600e-003	4.1600e-003		4.1600e-003	4.1600e-003	0.0000	1.2257	1.2257	1.1800e-003	0.0000	1.2551
Unmitigated	1.8087	0.0271	2.2601	3.2400e-003		0.2236	0.2236		0.2236	0.2236	23.0823	1.2257	24.3080	0.0504	1.1100e-003	25.8980

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0726					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9852	0.0185	1.5101	3.2000e-003		0.2195	0.2195		0.2195	0.2195	23.0823	0.0000	23.0823	0.0492	1.1100e-003	24.6428
Landscaping	0.0226	8.6400e-003	0.7500	4.0000e-005		4.1600e-003	4.1600e-003		4.1600e-003	4.1600e-003	0.0000	1.2257	1.2257	1.1800e-003	0.0000	1.2551
<b>Total</b>	<b>1.8087</b>	<b>0.0271</b>	<b>2.2601</b>	<b>3.2400e-003</b>		<b>0.2236</b>	<b>0.2236</b>		<b>0.2236</b>	<b>0.2236</b>	<b>23.0823</b>	<b>1.2257</b>	<b>24.3080</b>	<b>0.0504</b>	<b>1.1100e-003</b>	<b>25.8980</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0726					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0226	8.6400e-003	0.7500	4.0000e-005		4.1600e-003	4.1600e-003		4.1600e-003	4.1600e-003	0.0000	1.2257	1.2257	1.1800e-003	0.0000	1.2551
<b>Total</b>	<b>0.8235</b>	<b>8.6400e-003</b>	<b>0.7500</b>	<b>4.0000e-005</b>		<b>4.1600e-003</b>	<b>4.1600e-003</b>		<b>4.1600e-003</b>	<b>4.1600e-003</b>	<b>0.0000</b>	<b>1.2257</b>	<b>1.2257</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>1.2551</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.5387	0.2179	5.2100e-003	13.5393
Unmitigated	6.8107	0.2179	5.2200e-003	13.8140

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Convenience Market with Gas Pumps	0.0836574 / 0.0512739	0.0850	2.7400e-003	7.0000e-005	0.1729
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.58056 / 4.14861	6.7257	0.2152	5.1500e-003	13.6411
<b>Total</b>		<b>6.8107</b>	<b>0.2179</b>	<b>5.2200e-003</b>	<b>13.8140</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Convenience Market with Gas Pumps	0.0836574 / 0.0410191	0.0817	2.7300e-003	7.0000e-005	0.1696
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.58056 / 3.31889	6.4570	0.2151	5.1500e-003	13.3697
<b>Total</b>		<b>6.5387</b>	<b>0.2179</b>	<b>5.2200e-003</b>	<b>13.5393</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.8791	1.3521	0.0000	56.6820
Unmitigated	22.8791	1.3521	0.0000	56.6820

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	112.71	22.8791	1.3521	0.0000	56.6820
<b>Total</b>		<b>22.8791</b>	<b>1.3521</b>	<b>0.0000</b>	<b>56.6820</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	112.71	22.8791	1.3521	0.0000	56.6820
<b>Total</b>		<b>22.8791</b>	<b>1.3521</b>	<b>0.0000</b>	<b>56.6820</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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**11.0 Vegetation**

Lincoln Square Project - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Lincoln Square Project  
Yolo/Solano AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	30.00	Space	1.90	12,000.00	0
Single Family Housing	101.00	Dwelling Unit	11.00	181,800.00	289
Convenience Market with Gas Pumps	8.00	Pump	0.03	4,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	203.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Lot acreage adjusted per AQ Questionnaire and site plan.

Construction Phase - Phase timing based on AQ Questionnaires for each component.

Trips and VMT - Site prep and grading phase haul trip lengths adjusted per applicant-provided information for commercial component.

Grading - Material import and export based on AQ Questionnaire for commercial component.

Vehicle Trips - Trip generation rate adjusted based on information provided by the project-specific traffic consultant.

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Outdoor water conservation strategy applied in order to reflect compliance with MWELO.



Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	300.00	120.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	300.00	480.00
tblConstructionPhase	NumDays	20.00	480.00
tblGrading	MaterialExported	0.00	500.00
tblGrading	MaterialExported	0.00	500.00
tblGrading	MaterialImported	0.00	500.00
tblLandUse	LandUseSquareFeet	1,129.40	4,500.00
tblLandUse	LotAcreage	0.27	1.90
tblLandUse	LotAcreage	32.79	11.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripNumber	63.00	62.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	65.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	14.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	322.50	161.75
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	322.50	161.75
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	322.50	161.75

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	WD_TR	9.44	5.20
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**2.0 Emissions Summary**

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Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	19.3328	80.2829	59.5719	0.1385	29.3180	3.2987	32.5805	13.8783	3.0358	16.8804	0.0000	13,528.47 44	13,528.47 44	3.9000	0.1977	13,684.89 57
2023	4.9623	16.3322	19.4800	0.0362	0.4865	0.7762	1.2627	0.1311	0.7346	0.8657	0.0000	3,492.612 2	3,492.612 2	0.6353	0.0519	3,523.974 5
2024	4.8386	15.2971	19.3115	0.0361	0.4865	0.6798	1.1663	0.1311	0.6431	0.7742	0.0000	3,478.264 6	3,478.264 6	0.6298	0.0506	3,509.076 5
<b>Maximum</b>	<b>19.3328</b>	<b>80.2829</b>	<b>59.5719</b>	<b>0.1385</b>	<b>29.3180</b>	<b>3.2987</b>	<b>32.5805</b>	<b>13.8783</b>	<b>3.0358</b>	<b>16.8804</b>	<b>0.0000</b>	<b>13,528.47 44</b>	<b>13,528.47 44</b>	<b>3.9000</b>	<b>0.1977</b>	<b>13,684.89 57</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	19.3328	80.2829	59.5719	0.1385	29.3180	3.2987	32.5805	13.8783	3.0358	16.8804	0.0000	13,528.47 44	13,528.47 44	3.9000	0.1977	13,684.89 57
2023	4.9623	16.3322	19.4800	0.0362	0.4865	0.7762	1.2627	0.1311	0.7346	0.8657	0.0000	3,492.612 2	3,492.612 2	0.6353	0.0519	3,523.974 5
2024	4.8386	15.2971	19.3115	0.0361	0.4865	0.6798	1.1663	0.1311	0.6431	0.7742	0.0000	3,478.264 6	3,478.264 6	0.6298	0.0506	3,509.076 5
<b>Maximum</b>	<b>19.3328</b>	<b>80.2829</b>	<b>59.5719</b>	<b>0.1385</b>	<b>29.3180</b>	<b>3.2987</b>	<b>32.5805</b>	<b>13.8783</b>	<b>3.0358</b>	<b>16.8804</b>	<b>0.0000</b>	<b>13,528.47 44</b>	<b>13,528.47 44</b>	<b>3.9000</b>	<b>0.1977</b>	<b>13,684.89 57</b>



Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.6680	0.5459	45.1653	0.0785		5.3988	5.3988		5.3988	5.3988	620.5835	15.0121	635.5956	1.3376	0.0298	677.9109
Energy	0.0798	0.6819	0.2914	4.3500e-003		0.0551	0.0551		0.0551	0.0551		870.3025	870.3025	0.0167	0.0160	875.4743
Mobile	5.8634	6.4210	44.0048	0.0922	8.6826	0.0763	8.7589	2.3179	0.0716	2.3895		9,548.9277	9,548.9277	0.5976	0.4946	9,711.2683
<b>Total</b>	<b>34.6112</b>	<b>7.6488</b>	<b>89.4614</b>	<b>0.1750</b>	<b>8.6826</b>	<b>5.5302</b>	<b>14.2128</b>	<b>2.3179</b>	<b>5.5255</b>	<b>7.8434</b>	<b>620.5835</b>	<b>10,434.2423</b>	<b>11,054.8258</b>	<b>1.9519</b>	<b>0.5404</b>	<b>11,264.6535</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6395	0.0960	8.3330	4.4000e-004		0.0462	0.0462		0.0462	0.0462	0.0000	15.0121	15.0121	0.0144	0.0000	15.3725
Energy	0.0798	0.6819	0.2914	4.3500e-003		0.0551	0.0551		0.0551	0.0551		870.3025	870.3025	0.0167	0.0160	875.4743
Mobile	5.8413	6.3727	43.6520	0.0913	8.5958	0.0756	8.6714	2.2947	0.0710	2.3657		9,456.6286	9,456.6286	0.5936	0.4908	9,617.7261
<b>Total</b>	<b>10.5606</b>	<b>7.1506</b>	<b>52.2763</b>	<b>0.0961</b>	<b>8.5958</b>	<b>0.1769</b>	<b>8.7727</b>	<b>2.2947</b>	<b>0.1723</b>	<b>2.4670</b>	<b>0.0000</b>	<b>10,341.9432</b>	<b>10,341.9432</b>	<b>0.6247</b>	<b>0.5068</b>	<b>10,508.5729</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	69.49	6.51	41.57	45.11	1.00	96.80	38.28	1.00	96.88	68.55	100.00	0.88	6.45	67.99	6.22	6.71

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Commercial: Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
2	Commercial: Grading	Grading	3/15/2022	3/28/2022	5	10	
3	Commercial: Paving	Paving	3/29/2022	4/6/2022	5	7	
4	Commercial: Building Construction	Building Construction	4/7/2022	9/21/2022	5	120	
5	Commercial: Arch Coating	Architectural Coating	4/21/2022	10/5/2022	5	120	
6	Residential: Grading	Grading	3/1/2022	3/28/2022	5	20	
7	Residential: Paving	Paving	3/29/2022	3/30/2022	5	2	
8	Residential: Building Construction	Building Construction	3/31/2022	1/31/2024	5	480	
9	Residential: Arch Coating	Architectural Coating	4/14/2022	2/14/2024	5	480	

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 30**

**Acres of Paving: 1.9**

**Residential Indoor: 368,145; Residential Outdoor: 122,715; Non-Residential Indoor: 6,750; Non-Residential Outdoor: 2,250; Striped Parking Area: 720 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Commercial: Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Commercial: Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Commercial:Arch Coating	Air Compressors	1	6.00	78	0.48
Commercial:Building Construction	Cranes	1	7.00	231	0.29
Commercial:Grading	Excavators	2	8.00	158	0.38
Commercial:Building Construction	Forklifts	3	8.00	89	0.20
Commercial:Building Construction	Generator Sets	1	8.00	84	0.74
Commercial:Grading	Graders	1	8.00	187	0.41
Commercial:Paving	Pavers	2	8.00	130	0.42
Commercial:Paving	Paving Equipment	2	8.00	132	0.36
Commercial:Paving	Rollers	2	8.00	80	0.38
Commercial:Grading	Rubber Tired Dozers	1	8.00	247	0.40
Commercial:Grading	Scrapers	2	8.00	367	0.48
Commercial:Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Commercial:Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Commercial:Building Construction	Welders	1	8.00	46	0.45
Residential:Arch Coating	Air Compressors	1	6.00	78	0.48
Residential:Building Construction	Cranes	1	7.00	231	0.29
Residential:Grading	Excavators	2	8.00	158	0.38
Residential:Building Construction	Forklifts	3	8.00	89	0.20
Residential:Building Construction	Generator Sets	1	8.00	84	0.74
Residential:Grading	Graders	1	8.00	187	0.41
Residential:Paving	Pavers	2	8.00	130	0.42
Residential:Paving	Paving Equipment	2	8.00	132	0.36
Residential:Paving	Rollers	2	8.00	80	0.38
Residential:Grading	Rubber Tired Dozers	1	8.00	247	0.40
Residential:Grading	Scrapers	2	8.00	367	0.48
Residential:Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Residential:Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Residential:Building Construction	Welders	1	8.00	46	0.45

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Commercial: Site Preparation	7	18.00	0.00	62.00	10.00	7.00	30.00	LD_Mix	HDT_Mix	HHDT
Commercial:Grading	8	20.00	0.00	125.00	10.00	7.00	30.00	LD_Mix	HDT_Mix	HHDT
Commercial:Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Commercial:Building Construction	9	43.00	14.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Commercial:Arch Coating	1	9.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Grading	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Building Construction	9	43.00	14.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Arch Coating	1	9.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Commercial: Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6627	0.0000	19.6627	10.1033	0.0000	10.1033			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6627</b>	<b>1.6126</b>	<b>21.2752</b>	<b>10.1033</b>	<b>1.4836</b>	<b>11.5869</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Commercial: Site Preparation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0306	1.2529	0.2250	5.6700e-003	0.1627	0.0135	0.1762	0.0446	0.0130	0.0575		600.6648	600.6648	1.6100e-003	0.0944	628.8378
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0315	0.4659	1.3000e-003	0.1369	7.3000e-004	0.1377	0.0363	6.8000e-004	0.0370		132.5860	132.5860	3.7600e-003	3.3200e-003	133.6707
<b>Total</b>	<b>0.0901</b>	<b>1.2844</b>	<b>0.6909</b>	<b>6.9700e-003</b>	<b>0.2996</b>	<b>0.0143</b>	<b>0.3139</b>	<b>0.0809</b>	<b>0.0136</b>	<b>0.0945</b>		<b>733.2508</b>	<b>733.2508</b>	<b>5.3700e-003</b>	<b>0.0977</b>	<b>762.5085</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6627	0.0000	19.6627	10.1033	0.0000	10.1033			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6627</b>	<b>1.6126</b>	<b>21.2752</b>	<b>10.1033</b>	<b>1.4836</b>	<b>11.5869</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Commercial: Site Preparation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0306	1.2529	0.2250	5.6700e-003	0.1627	0.0135	0.1762	0.0446	0.0130	0.0575		600.6648	600.6648	1.6100e-003	0.0944	628.8378
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0315	0.4659	1.3000e-003	0.1369	7.3000e-004	0.1377	0.0363	6.8000e-004	0.0370		132.5860	132.5860	3.7600e-003	3.3200e-003	133.6707
<b>Total</b>	<b>0.0901</b>	<b>1.2844</b>	<b>0.6909</b>	<b>6.9700e-003</b>	<b>0.2996</b>	<b>0.0143</b>	<b>0.3139</b>	<b>0.0809</b>	<b>0.0136</b>	<b>0.0945</b>		<b>733.2508</b>	<b>733.2508</b>	<b>5.3700e-003</b>	<b>0.0977</b>	<b>762.5085</b>

**3.3 Commercial:Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2149	0.0000	9.2149	3.6555	0.0000	3.6555			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2149</b>	<b>1.6349</b>	<b>10.8498</b>	<b>3.6555</b>	<b>1.5041</b>	<b>5.1596</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Commercial:Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0617	2.5260	0.4536	0.0114	0.3280	0.0273	0.3553	0.0899	0.0261	0.1160		1,211.0177	1,211.0177	3.2400e-003	0.1903	1,267.8181
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0662	0.0350	0.5176	1.4500e-003	0.1521	8.2000e-004	0.1530	0.0404	7.5000e-004	0.0411		147.3178	147.3178	4.1700e-003	3.6900e-003	148.5230
<b>Total</b>	<b>0.1278</b>	<b>2.5610</b>	<b>0.9712</b>	<b>0.0129</b>	<b>0.4801</b>	<b>0.0281</b>	<b>0.5082</b>	<b>0.1303</b>	<b>0.0269</b>	<b>0.1571</b>		<b>1,358.3355</b>	<b>1,358.3355</b>	<b>7.4100e-003</b>	<b>0.1940</b>	<b>1,416.3411</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2149	0.0000	9.2149	3.6555	0.0000	3.6555			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2149</b>	<b>1.6349</b>	<b>10.8498</b>	<b>3.6555</b>	<b>1.5041</b>	<b>5.1596</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Commercial:Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0617	2.5260	0.4536	0.0114	0.3280	0.0273	0.3553	0.0899	0.0261	0.1160		1,211.0177	1,211.0177	3.2400e-003	0.1903	1,267.8181
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0662	0.0350	0.5176	1.4500e-003	0.1521	8.2000e-004	0.1530	0.0404	7.5000e-004	0.0411		147.3178	147.3178	4.1700e-003	3.6900e-003	148.5230
<b>Total</b>	<b>0.1278</b>	<b>2.5610</b>	<b>0.9712</b>	<b>0.0129</b>	<b>0.4801</b>	<b>0.0281</b>	<b>0.5082</b>	<b>0.1303</b>	<b>0.0269</b>	<b>0.1571</b>		<b>1,358.3355</b>	<b>1,358.3355</b>	<b>7.4100e-003</b>	<b>0.1940</b>	<b>1,416.3411</b>

**3.4 Commercial:Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.7111					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8140</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Commercial:Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0496	0.0262	0.3882	1.0900e-003	0.1141	6.1000e-004	0.1147	0.0303	5.6000e-004	0.0308		110.4883	110.4883	3.1300e-003	2.7700e-003	111.3922
<b>Total</b>	<b>0.0496</b>	<b>0.0262</b>	<b>0.3882</b>	<b>1.0900e-003</b>	<b>0.1141</b>	<b>6.1000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.6000e-004</b>	<b>0.0308</b>		<b>110.4883</b>	<b>110.4883</b>	<b>3.1300e-003</b>	<b>2.7700e-003</b>	<b>111.3922</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.7111					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8140</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Commercial:Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0496	0.0262	0.3882	1.0900e-003	0.1141	6.1000e-004	0.1147	0.0303	5.6000e-004	0.0308		110.4883	110.4883	3.1300e-003	2.7700e-003	111.3922
<b>Total</b>	<b>0.0496</b>	<b>0.0262</b>	<b>0.3882</b>	<b>1.0900e-003</b>	<b>0.1141</b>	<b>6.1000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.6000e-004</b>	<b>0.0308</b>		<b>110.4883</b>	<b>110.4883</b>	<b>3.1300e-003</b>	<b>2.7700e-003</b>	<b>111.3922</b>

**3.5 Commercial:Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Commercial:Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0244	0.6597	0.2025	2.7700e-003	0.0910	6.3900e-003	0.0974	0.0262	6.1100e-003	0.0323		292.9924	292.9924	1.2900e-003	0.0446	306.3021
Worker	0.1422	0.0752	1.1129	3.1100e-003	0.3271	1.7500e-003	0.3289	0.0868	1.6200e-003	0.0884		316.7332	316.7332	8.9800e-003	7.9400e-003	319.3244
<b>Total</b>	<b>0.1666</b>	<b>0.7349</b>	<b>1.3154</b>	<b>5.8800e-003</b>	<b>0.4181</b>	<b>8.1400e-003</b>	<b>0.4262</b>	<b>0.1130</b>	<b>7.7300e-003</b>	<b>0.1207</b>		<b>609.7256</b>	<b>609.7256</b>	<b>0.0103</b>	<b>0.0525</b>	<b>625.6265</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Commercial:Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0244	0.6597	0.2025	2.7700e-003	0.0910	6.3900e-003	0.0974	0.0262	6.1100e-003	0.0323		292.9924	292.9924	1.2900e-003	0.0446	306.3021
Worker	0.1422	0.0752	1.1129	3.1100e-003	0.3271	1.7500e-003	0.3289	0.0868	1.6200e-003	0.0884		316.7332	316.7332	8.9800e-003	7.9400e-003	319.3244
<b>Total</b>	<b>0.1666</b>	<b>0.7349</b>	<b>1.3154</b>	<b>5.8800e-003</b>	<b>0.4181</b>	<b>8.1400e-003</b>	<b>0.4262</b>	<b>0.1130</b>	<b>7.7300e-003</b>	<b>0.1207</b>		<b>609.7256</b>	<b>609.7256</b>	<b>0.0103</b>	<b>0.0525</b>	<b>625.6265</b>

**3.6 Commercial:Arch Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.0947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>12.2993</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>



Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Commercial:Arch Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0298	0.0157	0.2329	6.5000e-004	0.0685	3.7000e-004	0.0688	0.0182	3.4000e-004	0.0185		66.2930	66.2930	1.8800e-003	1.6600e-003	66.8353
<b>Total</b>	<b>0.0298</b>	<b>0.0157</b>	<b>0.2329</b>	<b>6.5000e-004</b>	<b>0.0685</b>	<b>3.7000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.4000e-004</b>	<b>0.0185</b>		<b>66.2930</b>	<b>66.2930</b>	<b>1.8800e-003</b>	<b>1.6600e-003</b>	<b>66.8353</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.0947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>12.2993</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Commercial:Arch Coating - 2022**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0298	0.0157	0.2329	6.5000e-004	0.0685	3.7000e-004	0.0688	0.0182	3.4000e-004	0.0185		66.2930	66.2930	1.8800e-003	1.6600e-003	66.8353
<b>Total</b>	<b>0.0298</b>	<b>0.0157</b>	<b>0.2329</b>	<b>6.5000e-004</b>	<b>0.0685</b>	<b>3.7000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.4000e-004</b>	<b>0.0185</b>		<b>66.2930</b>	<b>66.2930</b>	<b>1.8800e-003</b>	<b>1.6600e-003</b>	<b>66.8353</b>

**3.7 Residential:Grading - 2022**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Residential:Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0662	0.0350	0.5176	1.4500e-003	0.1521	8.2000e-004	0.1530	0.0404	7.5000e-004	0.0411		147.3178	147.3178	4.1700e-003	3.6900e-003	148.5230
<b>Total</b>	<b>0.0662</b>	<b>0.0350</b>	<b>0.5176</b>	<b>1.4500e-003</b>	<b>0.1521</b>	<b>8.2000e-004</b>	<b>0.1530</b>	<b>0.0404</b>	<b>7.5000e-004</b>	<b>0.0411</b>		<b>147.3178</b>	<b>147.3178</b>	<b>4.1700e-003</b>	<b>3.6900e-003</b>	<b>148.5230</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Residential:Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0662	0.0350	0.5176	1.4500e-003	0.1521	8.2000e-004	0.1530	0.0404	7.5000e-004	0.0411		147.3178	147.3178	4.1700e-003	3.6900e-003	148.5230
<b>Total</b>	<b>0.0662</b>	<b>0.0350</b>	<b>0.5176</b>	<b>1.4500e-003</b>	<b>0.1521</b>	<b>8.2000e-004</b>	<b>0.1530</b>	<b>0.0404</b>	<b>7.5000e-004</b>	<b>0.0411</b>		<b>147.3178</b>	<b>147.3178</b>	<b>4.1700e-003</b>	<b>3.6900e-003</b>	<b>148.5230</b>

**3.8 Residential:Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.4890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>3.5918</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 Residential:Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0496	0.0262	0.3882	1.0900e-003	0.1141	6.1000e-004	0.1147	0.0303	5.6000e-004	0.0308		110.4883	110.4883	3.1300e-003	2.7700e-003	111.3922
<b>Total</b>	<b>0.0496</b>	<b>0.0262</b>	<b>0.3882</b>	<b>1.0900e-003</b>	<b>0.1141</b>	<b>6.1000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.6000e-004</b>	<b>0.0308</b>		<b>110.4883</b>	<b>110.4883</b>	<b>3.1300e-003</b>	<b>2.7700e-003</b>	<b>111.3922</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.4890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>3.5918</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 Residential:Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0496	0.0262	0.3882	1.0900e-003	0.1141	6.1000e-004	0.1147	0.0303	5.6000e-004	0.0308		110.4883	110.4883	3.1300e-003	2.7700e-003	111.3922
<b>Total</b>	<b>0.0496</b>	<b>0.0262</b>	<b>0.3882</b>	<b>1.0900e-003</b>	<b>0.1141</b>	<b>6.1000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.6000e-004</b>	<b>0.0308</b>		<b>110.4883</b>	<b>110.4883</b>	<b>3.1300e-003</b>	<b>2.7700e-003</b>	<b>111.3922</b>

**3.9 Residential:Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0244	0.6597	0.2025	2.7700e-003	0.0910	6.3900e-003	0.0974	0.0262	6.1100e-003	0.0323		292.9924	292.9924	1.2900e-003	0.0446	306.3021
Worker	0.1422	0.0752	1.1129	3.1100e-003	0.3271	1.7500e-003	0.3289	0.0868	1.6200e-003	0.0884		316.7332	316.7332	8.9800e-003	7.9400e-003	319.3244
<b>Total</b>	<b>0.1666</b>	<b>0.7349</b>	<b>1.3154</b>	<b>5.8800e-003</b>	<b>0.4181</b>	<b>8.1400e-003</b>	<b>0.4262</b>	<b>0.1130</b>	<b>7.7300e-003</b>	<b>0.1207</b>		<b>609.7256</b>	<b>609.7256</b>	<b>0.0103</b>	<b>0.0525</b>	<b>625.6265</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0244	0.6597	0.2025	2.7700e-003	0.0910	6.3900e-003	0.0974	0.0262	6.1100e-003	0.0323		292.9924	292.9924	1.2900e-003	0.0446	306.3021
Worker	0.1422	0.0752	1.1129	3.1100e-003	0.3271	1.7500e-003	0.3289	0.0868	1.6200e-003	0.0884		316.7332	316.7332	8.9800e-003	7.9400e-003	319.3244
<b>Total</b>	<b>0.1666</b>	<b>0.7349</b>	<b>1.3154</b>	<b>5.8800e-003</b>	<b>0.4181</b>	<b>8.1400e-003</b>	<b>0.4262</b>	<b>0.1130</b>	<b>7.7300e-003</b>	<b>0.1207</b>		<b>609.7256</b>	<b>609.7256</b>	<b>0.0103</b>	<b>0.0525</b>	<b>625.6265</b>

**3.9 Residential:Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>



Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0151	0.5639	0.1835	2.6800e-003	0.0910	3.6200e-003	0.0946	0.0262	3.4600e-003	0.0297		283.0490	283.0490	8.3000e-004	0.0430	295.8968
Worker	0.1316	0.0665	1.0265	3.0100e-003	0.3271	1.6600e-003	0.3288	0.0868	1.5300e-003	0.0883		308.3640	308.3640	8.0900e-003	7.3600e-003	310.7599
<b>Total</b>	<b>0.1467</b>	<b>0.6304</b>	<b>1.2101</b>	<b>5.6900e-003</b>	<b>0.4181</b>	<b>5.2800e-003</b>	<b>0.4233</b>	<b>0.1130</b>	<b>4.9900e-003</b>	<b>0.1180</b>		<b>591.4129</b>	<b>591.4129</b>	<b>8.9200e-003</b>	<b>0.0504</b>	<b>606.6567</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0151	0.5639	0.1835	2.6800e-003	0.0910	3.6200e-003	0.0946	0.0262	3.4600e-003	0.0297		283.0490	283.0490	8.3000e-004	0.0430	295.8968
Worker	0.1316	0.0665	1.0265	3.0100e-003	0.3271	1.6600e-003	0.3288	0.0868	1.5300e-003	0.0883		308.3640	308.3640	8.0900e-003	7.3600e-003	310.7599
<b>Total</b>	<b>0.1467</b>	<b>0.6304</b>	<b>1.2101</b>	<b>5.6900e-003</b>	<b>0.4181</b>	<b>5.2800e-003</b>	<b>0.4233</b>	<b>0.1130</b>	<b>4.9900e-003</b>	<b>0.1180</b>		<b>591.4129</b>	<b>591.4129</b>	<b>8.9200e-003</b>	<b>0.0504</b>	<b>606.6567</b>

**3.9 Residential:Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0147	0.5629	0.1796	2.6300e-003	0.0909	3.6300e-003	0.0946	0.0262	3.4800e-003	0.0297		277.7289	277.7289	7.9000e-004	0.0423	290.3431
Worker	0.1223	0.0593	0.9551	2.9100e-003	0.3271	1.5800e-003	0.3287	0.0868	1.4500e-003	0.0882		300.4945	300.4945	7.3100e-003	6.8600e-003	302.7212
<b>Total</b>	<b>0.1370</b>	<b>0.6222</b>	<b>1.1347</b>	<b>5.5400e-003</b>	<b>0.4180</b>	<b>5.2100e-003</b>	<b>0.4233</b>	<b>0.1130</b>	<b>4.9300e-003</b>	<b>0.1179</b>		<b>578.2235</b>	<b>578.2235</b>	<b>8.1000e-003</b>	<b>0.0491</b>	<b>593.0643</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0147	0.5629	0.1796	2.6300e-003	0.0909	3.6300e-003	0.0946	0.0262	3.4800e-003	0.0297		277.7289	277.7289	7.9000e-004	0.0423	290.3431
Worker	0.1223	0.0593	0.9551	2.9100e-003	0.3271	1.5800e-003	0.3287	0.0868	1.4500e-003	0.0882		300.4945	300.4945	7.3100e-003	6.8600e-003	302.7212
<b>Total</b>	<b>0.1370</b>	<b>0.6222</b>	<b>1.1347</b>	<b>5.5400e-003</b>	<b>0.4180</b>	<b>5.2100e-003</b>	<b>0.4233</b>	<b>0.1130</b>	<b>4.9300e-003</b>	<b>0.1179</b>		<b>578.2235</b>	<b>578.2235</b>	<b>8.1000e-003</b>	<b>0.0491</b>	<b>593.0643</b>

**3.10 Residential:Arch Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>3.2282</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0298	0.0157	0.2329	6.5000e-004	0.0685	3.7000e-004	0.0688	0.0182	3.4000e-004	0.0185		66.2930	66.2930	1.8800e-003	1.6600e-003	66.8353
<b>Total</b>	<b>0.0298</b>	<b>0.0157</b>	<b>0.2329</b>	<b>6.5000e-004</b>	<b>0.0685</b>	<b>3.7000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.4000e-004</b>	<b>0.0185</b>		<b>66.2930</b>	<b>66.2930</b>	<b>1.8800e-003</b>	<b>1.6600e-003</b>	<b>66.8353</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>3.2282</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0298	0.0157	0.2329	6.5000e-004	0.0685	3.7000e-004	0.0688	0.0182	3.4000e-004	0.0185		66.2930	66.2930	1.8800e-003	1.6600e-003	66.8353
<b>Total</b>	<b>0.0298</b>	<b>0.0157</b>	<b>0.2329</b>	<b>6.5000e-004</b>	<b>0.0685</b>	<b>3.7000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.4000e-004</b>	<b>0.0185</b>		<b>66.2930</b>	<b>66.2930</b>	<b>1.8800e-003</b>	<b>1.6600e-003</b>	<b>66.8353</b>

**3.10 Residential:Arch Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>3.2154</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0275	0.0139	0.2149	6.3000e-004	0.0685	3.5000e-004	0.0688	0.0182	3.2000e-004	0.0185		64.5413	64.5413	1.6900e-003	1.5400e-003	65.0428
<b>Total</b>	<b>0.0275</b>	<b>0.0139</b>	<b>0.2149</b>	<b>6.3000e-004</b>	<b>0.0685</b>	<b>3.5000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.2000e-004</b>	<b>0.0185</b>		<b>64.5413</b>	<b>64.5413</b>	<b>1.6900e-003</b>	<b>1.5400e-003</b>	<b>65.0428</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>3.2154</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0275	0.0139	0.2149	6.3000e-004	0.0685	3.5000e-004	0.0688	0.0182	3.2000e-004	0.0185		64.5413	64.5413	1.6900e-003	1.5400e-003	65.0428
<b>Total</b>	<b>0.0275</b>	<b>0.0139</b>	<b>0.2149</b>	<b>6.3000e-004</b>	<b>0.0685</b>	<b>3.5000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.2000e-004</b>	<b>0.0185</b>		<b>64.5413</b>	<b>64.5413</b>	<b>1.6900e-003</b>	<b>1.5400e-003</b>	<b>65.0428</b>

**3.10 Residential:Arch Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>3.2045</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>



Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0256	0.0124	0.1999	6.1000e-004	0.0685	3.3000e-004	0.0688	0.0182	3.0000e-004	0.0185		62.8942	62.8942	1.5300e-003	1.4400e-003	63.3603
<b>Total</b>	<b>0.0256</b>	<b>0.0124</b>	<b>0.1999</b>	<b>6.1000e-004</b>	<b>0.0685</b>	<b>3.3000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.0000e-004</b>	<b>0.0185</b>		<b>62.8942</b>	<b>62.8942</b>	<b>1.5300e-003</b>	<b>1.4400e-003</b>	<b>63.3603</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>3.2045</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0256	0.0124	0.1999	6.1000e-004	0.0685	3.3000e-004	0.0688	0.0182	3.0000e-004	0.0185		62.8942	62.8942	1.5300e-003	1.4400e-003	63.3603
<b>Total</b>	<b>0.0256</b>	<b>0.0124</b>	<b>0.1999</b>	<b>6.1000e-004</b>	<b>0.0685</b>	<b>3.3000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.0000e-004</b>	<b>0.0185</b>		<b>62.8942</b>	<b>62.8942</b>	<b>1.5300e-003</b>	<b>1.4400e-003</b>	<b>63.3603</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Improve Pedestrian Network

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.8413	6.3727	43.6520	0.0913	8.5958	0.0756	8.6714	2.2947	0.0710	2.3657		9,456.6286	9,456.6286	0.5936	0.4908	9,617.7261
Unmitigated	5.8634	6.4210	44.0048	0.0922	8.6826	0.0763	8.7589	2.3179	0.0716	2.3895		9,548.9277	9,548.9277	0.5976	0.4946	9,711.2683

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Convenience Market with Gas Pumps	1,294.00	1,294.00	1294.00	2,552,907	2,527,378
Parking Lot	0.00	0.00	0.00		
Single Family Housing	525.20	525.20	525.20	1,552,323	1,536,800
<b>Total</b>	<b>1,819.20</b>	<b>1,819.20</b>	<b>1,819.20</b>	<b>4,105,230</b>	<b>4,064,178</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Convenience Market with Gas	10.00	5.00	7.00	0.80	80.20	19.00	100	0	0
Parking Lot	10.00	5.00	7.00	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	7.00	46.00	13.00	41.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market with Gas Pumps	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020
Parking Lot	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Single Family Housing	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0798	0.6819	0.2914	4.3500e-003		0.0551	0.0551		0.0551	0.0551		870.3025	870.3025	0.0167	0.0160	875.4743
NaturalGas Unmitigated	0.0798	0.6819	0.2914	4.3500e-003		0.0551	0.0551		0.0551	0.0551		870.3025	870.3025	0.0167	0.0160	875.4743

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - Natural Gas**

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market with Gas Pumps	28.8493	3.1000e-004	2.8300e-003	2.3800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3940	3.3940	7.0000e-005	6.0000e-005	3.4142
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	7368.72	0.0795	0.6791	0.2890	4.3300e-003		0.0549	0.0549		0.0549	0.0549		866.9085	866.9085	0.0166	0.0159	872.0601
<b>Total</b>		<b>0.0798</b>	<b>0.6819</b>	<b>0.2914</b>	<b>4.3500e-003</b>		<b>0.0551</b>	<b>0.0551</b>		<b>0.0551</b>	<b>0.0551</b>		<b>870.3025</b>	<b>870.3025</b>	<b>0.0167</b>	<b>0.0160</b>	<b>875.4743</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market with Gas Pumps	0.0288493	3.1000e-004	2.8300e-003	2.3800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3940	3.3940	7.0000e-005	6.0000e-005	3.4142
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.36872	0.0795	0.6791	0.2890	4.3300e-003		0.0549	0.0549		0.0549	0.0549		866.9085	866.9085	0.0166	0.0159	872.0601
<b>Total</b>		<b>0.0798</b>	<b>0.6819</b>	<b>0.2914</b>	<b>4.3500e-003</b>		<b>0.0551</b>	<b>0.0551</b>		<b>0.0551</b>	<b>0.0551</b>		<b>870.3025</b>	<b>870.3025</b>	<b>0.0167</b>	<b>0.0160</b>	<b>875.4743</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6395	0.0960	8.3330	4.4000e-004		0.0462	0.0462		0.0462	0.0462	0.0000	15.0121	15.0121	0.0144	0.0000	15.3725
Unmitigated	28.6680	0.5459	45.1653	0.0785		5.3988	5.3988		5.3988	5.3988	620.5835	15.0121	635.5956	1.3376	0.0298	677.9109

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	24.0285	0.4499	36.8323	0.0781		5.3526	5.3526		5.3526	5.3526	620.5835	0.0000	620.5835	1.3232	0.0298	662.5383
Landscaping	0.2508	0.0960	8.3330	4.4000e-004		0.0462	0.0462		0.0462	0.0462		15.0121	15.0121	0.0144		15.3725
<b>Total</b>	<b>28.6680</b>	<b>0.5459</b>	<b>45.1653</b>	<b>0.0785</b>		<b>5.3988</b>	<b>5.3988</b>		<b>5.3988</b>	<b>5.3988</b>	<b>620.5835</b>	<b>15.0121</b>	<b>635.5956</b>	<b>1.3376</b>	<b>0.0298</b>	<b>677.9109</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2508	0.0960	8.3330	4.4000e-004		0.0462	0.0462		0.0462	0.0462		15.0121	15.0121	0.0144		15.3725
<b>Total</b>	<b>4.6395</b>	<b>0.0960</b>	<b>8.3330</b>	<b>4.4000e-004</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0462</b>	<b>0.0462</b>	<b>0.0000</b>	<b>15.0121</b>	<b>15.0121</b>	<b>0.0144</b>	<b>0.0000</b>	<b>15.3725</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy



Lincoln Square Project - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Lincoln Square Project**  
**Yolo/Solano AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	30.00	Space	1.90	12,000.00	0
Single Family Housing	101.00	Dwelling Unit	11.00	181,800.00	289
Convenience Market with Gas Pumps	8.00	Pump	0.03	4,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	203.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Lot acreage adjusted per AQ Questionnaire and site plan.

Construction Phase - Phase timing based on AQ Questionnaires for each component.

Trips and VMT - Site prep and grading phase haul trip lengths adjusted per applicant-provided information for commercial component.

Grading - Material import and export based on AQ Questionnaire for commercial component.

Vehicle Trips - Trip generation rate adjusted based on information provided by the project-specific traffic consultant.

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Outdoor water conservation strategy applied in order to reflect compliance with MWELO.

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	300.00	120.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	300.00	480.00
tblConstructionPhase	NumDays	20.00	480.00
tblGrading	MaterialExported	0.00	500.00
tblGrading	MaterialExported	0.00	500.00
tblGrading	MaterialImported	0.00	500.00
tblLandUse	LandUseSquareFeet	1,129.40	4,500.00
tblLandUse	LotAcreage	0.27	1.90
tblLandUse	LotAcreage	32.79	11.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripNumber	63.00	62.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	65.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	14.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	322.50	161.75
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	322.50	161.75
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	322.50	161.75

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	WD_TR	9.44	5.20
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**2.0 Emissions Summary**

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Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	19.2996	80.5058	59.4828	0.1382	29.3180	3.2987	32.5806	13.8783	3.0359	16.8804	0.0000	13,499.07 74	13,499.07 74	3.9013	0.1990	13,655.91 72
2023	4.9471	16.3978	19.3747	0.0359	0.4865	0.7762	1.2627	0.1311	0.7346	0.8657	0.0000	3,455.310 7	3,455.310 7	0.6369	0.0535	3,487.176 8
2024	4.8246	15.3603	19.2187	0.0357	0.4865	0.6798	1.1663	0.1311	0.6431	0.7742	0.0000	3,442.006 2	3,442.006 2	0.6313	0.0520	3,473.286 7
<b>Maximum</b>	<b>19.2996</b>	<b>80.5058</b>	<b>59.4828</b>	<b>0.1382</b>	<b>29.3180</b>	<b>3.2987</b>	<b>32.5806</b>	<b>13.8783</b>	<b>3.0359</b>	<b>16.8804</b>	<b>0.0000</b>	<b>13,499.07 74</b>	<b>13,499.07 74</b>	<b>3.9013</b>	<b>0.1990</b>	<b>13,655.91 72</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	19.2996	80.5058	59.4828	0.1382	29.3180	3.2987	32.5806	13.8783	3.0359	16.8804	0.0000	13,499.07 74	13,499.07 74	3.9013	0.1990	13,655.91 72
2023	4.9471	16.3978	19.3747	0.0359	0.4865	0.7762	1.2627	0.1311	0.7346	0.8657	0.0000	3,455.310 7	3,455.310 7	0.6369	0.0535	3,487.176 8
2024	4.8246	15.3603	19.2187	0.0357	0.4865	0.6798	1.1663	0.1311	0.6431	0.7742	0.0000	3,442.006 2	3,442.006 2	0.6313	0.0520	3,473.286 7
<b>Maximum</b>	<b>19.2996</b>	<b>80.5058</b>	<b>59.4828</b>	<b>0.1382</b>	<b>29.3180</b>	<b>3.2987</b>	<b>32.5806</b>	<b>13.8783</b>	<b>3.0359</b>	<b>16.8804</b>	<b>0.0000</b>	<b>13,499.07 74</b>	<b>13,499.07 74</b>	<b>3.9013</b>	<b>0.1990</b>	<b>13,655.91 72</b>



Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.6680	0.5459	45.1653	0.0785		5.3988	5.3988		5.3988	5.3988	620.5835	15.0121	635.5956	1.3376	0.0298	677.9109
Energy	0.0798	0.6819	0.2914	4.3500e-003		0.0551	0.0551		0.0551	0.0551		870.3025	870.3025	0.0167	0.0160	875.4743
Mobile	4.7873	7.3998	46.3795	0.0855	8.6826	0.0764	8.7590	2.3179	0.0717	2.3896		8,858.6998	8,858.6998	0.6875	0.5367	9,035.8270
<b>Total</b>	<b>33.5351</b>	<b>8.6276</b>	<b>91.8361</b>	<b>0.1683</b>	<b>8.6826</b>	<b>5.5303</b>	<b>14.2129</b>	<b>2.3179</b>	<b>5.5256</b>	<b>7.8435</b>	<b>620.5835</b>	<b>9,744.0144</b>	<b>10,364.5979</b>	<b>2.0418</b>	<b>0.5825</b>	<b>10,589.2121</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6395	0.0960	8.3330	4.4000e-004		0.0462	0.0462		0.0462	0.0462	0.0000	15.0121	15.0121	0.0144	0.0000	15.3725
Energy	0.0798	0.6819	0.2914	4.3500e-003		0.0551	0.0551		0.0551	0.0551		870.3025	870.3025	0.0167	0.0160	875.4743
Mobile	4.7638	7.3441	46.0460	0.0847	8.5958	0.0757	8.6715	2.2947	0.0710	2.3657		8,773.4140	8,773.4140	0.6834	0.5326	8,949.2144
<b>Total</b>	<b>9.4831</b>	<b>8.1220</b>	<b>54.6703</b>	<b>0.0895</b>	<b>8.5958</b>	<b>0.1770</b>	<b>8.7728</b>	<b>2.2947</b>	<b>0.1723</b>	<b>2.4670</b>	<b>0.0000</b>	<b>9,658.7286</b>	<b>9,658.7286</b>	<b>0.7145</b>	<b>0.5486</b>	<b>9,840.0612</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	71.72	5.86	40.47	46.86	1.00	96.80	38.28	1.00	96.88	68.55	100.00	0.88	6.81	65.01	5.82	7.07

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Commercial: Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
2	Commercial: Grading	Grading	3/15/2022	3/28/2022	5	10	
3	Commercial: Paving	Paving	3/29/2022	4/6/2022	5	7	
4	Commercial: Building Construction	Building Construction	4/7/2022	9/21/2022	5	120	
5	Commercial: Arch Coating	Architectural Coating	4/21/2022	10/5/2022	5	120	
6	Residential: Grading	Grading	3/1/2022	3/28/2022	5	20	
7	Residential: Paving	Paving	3/29/2022	3/30/2022	5	2	
8	Residential: Building Construction	Building Construction	3/31/2022	1/31/2024	5	480	
9	Residential: Arch Coating	Architectural Coating	4/14/2022	2/14/2024	5	480	

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 30**

**Acres of Paving: 1.9**

**Residential Indoor: 368,145; Residential Outdoor: 122,715; Non-Residential Indoor: 6,750; Non-Residential Outdoor: 2,250; Striped Parking Area: 720 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Commercial: Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Commercial: Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37



Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Commercial:Arch Coating	Air Compressors	1	6.00	78	0.48
Commercial:Building Construction	Cranes	1	7.00	231	0.29
Commercial:Grading	Excavators	2	8.00	158	0.38
Commercial:Building Construction	Forklifts	3	8.00	89	0.20
Commercial:Building Construction	Generator Sets	1	8.00	84	0.74
Commercial:Grading	Graders	1	8.00	187	0.41
Commercial:Paving	Pavers	2	8.00	130	0.42
Commercial:Paving	Paving Equipment	2	8.00	132	0.36
Commercial:Paving	Rollers	2	8.00	80	0.38
Commercial:Grading	Rubber Tired Dozers	1	8.00	247	0.40
Commercial:Grading	Scrapers	2	8.00	367	0.48
Commercial:Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Commercial:Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Commercial:Building Construction	Welders	1	8.00	46	0.45
Residential:Arch Coating	Air Compressors	1	6.00	78	0.48
Residential:Building Construction	Cranes	1	7.00	231	0.29
Residential:Grading	Excavators	2	8.00	158	0.38
Residential:Building Construction	Forklifts	3	8.00	89	0.20
Residential:Building Construction	Generator Sets	1	8.00	84	0.74
Residential:Grading	Graders	1	8.00	187	0.41
Residential:Paving	Pavers	2	8.00	130	0.42
Residential:Paving	Paving Equipment	2	8.00	132	0.36
Residential:Paving	Rollers	2	8.00	80	0.38
Residential:Grading	Rubber Tired Dozers	1	8.00	247	0.40
Residential:Grading	Scrapers	2	8.00	367	0.48
Residential:Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Residential:Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Residential:Building Construction	Welders	1	8.00	46	0.45

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Commercial: Site Preparation	7	18.00	0.00	62.00	10.00	7.00	30.00	LD_Mix	HDT_Mix	HHDT
Commercial:Grading	8	20.00	0.00	125.00	10.00	7.00	30.00	LD_Mix	HDT_Mix	HHDT
Commercial:Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Commercial:Building Construction	9	43.00	14.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Commercial:Arch Coating	1	9.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Grading	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Building Construction	9	43.00	14.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Residential:Arch Coating	1	9.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Commercial: Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6627	0.0000	19.6627	10.1033	0.0000	10.1033			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6627</b>	<b>1.6126</b>	<b>21.2752</b>	<b>10.1033</b>	<b>1.4836</b>	<b>11.5869</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Commercial: Site Preparation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0296	1.3547	0.2293	5.6800e-003	0.1627	0.0136	0.1762	0.0446	0.0130	0.0576		600.9817	600.9817	1.5600e-003	0.0945	629.1692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0394	0.4219	1.1700e-003	0.1369	7.3000e-004	0.1377	0.0363	6.8000e-004	0.0370		119.0698	119.0698	4.3700e-003	3.8600e-003	120.3297
<b>Total</b>	<b>0.0838</b>	<b>1.3941</b>	<b>0.6512</b>	<b>6.8500e-003</b>	<b>0.2996</b>	<b>0.0143</b>	<b>0.3139</b>	<b>0.0809</b>	<b>0.0137</b>	<b>0.0946</b>		<b>720.0516</b>	<b>720.0516</b>	<b>5.9300e-003</b>	<b>0.0983</b>	<b>749.4989</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6627	0.0000	19.6627	10.1033	0.0000	10.1033			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6627</b>	<b>1.6126</b>	<b>21.2752</b>	<b>10.1033</b>	<b>1.4836</b>	<b>11.5869</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Commercial: Site Preparation - 2022**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0296	1.3547	0.2293	5.6800e-003	0.1627	0.0136	0.1762	0.0446	0.0130	0.0576		600.9817	600.9817	1.5600e-003	0.0945	629.1692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0394	0.4219	1.1700e-003	0.1369	7.3000e-004	0.1377	0.0363	6.8000e-004	0.0370		119.0698	119.0698	4.3700e-003	3.8600e-003	120.3297
<b>Total</b>	<b>0.0838</b>	<b>1.3941</b>	<b>0.6512</b>	<b>6.8500e-003</b>	<b>0.2996</b>	<b>0.0143</b>	<b>0.3139</b>	<b>0.0809</b>	<b>0.0137</b>	<b>0.0946</b>		<b>720.0516</b>	<b>720.0516</b>	<b>5.9300e-003</b>	<b>0.0983</b>	<b>749.4989</b>

**3.3 Commercial:Grading - 2022**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2149	0.0000	9.2149	3.6555	0.0000	3.6555			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2149</b>	<b>1.6349</b>	<b>10.8498</b>	<b>3.6555</b>	<b>1.5041</b>	<b>5.1596</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Commercial:Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0598	2.7313	0.4623	0.0115	0.3280	0.0273	0.3553	0.0899	0.0262	0.1160		1,211.6567	1,211.6567	3.1500e-003	0.1904	1,268.4863
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0601	0.0438	0.4687	1.3000e-003	0.1521	8.2000e-004	0.1530	0.0404	7.5000e-004	0.0411		132.2998	132.2998	4.8500e-003	4.2900e-003	133.6996
<b>Total</b>	<b>0.1199</b>	<b>2.7751</b>	<b>0.9310</b>	<b>0.0128</b>	<b>0.4801</b>	<b>0.0282</b>	<b>0.5083</b>	<b>0.1303</b>	<b>0.0269</b>	<b>0.1572</b>		<b>1,343.9565</b>	<b>1,343.9565</b>	<b>8.0000e-003</b>	<b>0.1947</b>	<b>1,402.1859</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2149	0.0000	9.2149	3.6555	0.0000	3.6555			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2149</b>	<b>1.6349</b>	<b>10.8498</b>	<b>3.6555</b>	<b>1.5041</b>	<b>5.1596</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Commercial:Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0598	2.7313	0.4623	0.0115	0.3280	0.0273	0.3553	0.0899	0.0262	0.1160		1,211.6567	1,211.6567	3.1500e-003	0.1904	1,268.4863
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0601	0.0438	0.4687	1.3000e-003	0.1521	8.2000e-004	0.1530	0.0404	7.5000e-004	0.0411		132.2998	132.2998	4.8500e-003	4.2900e-003	133.6996
<b>Total</b>	<b>0.1199</b>	<b>2.7751</b>	<b>0.9310</b>	<b>0.0128</b>	<b>0.4801</b>	<b>0.0282</b>	<b>0.5083</b>	<b>0.1303</b>	<b>0.0269</b>	<b>0.1572</b>		<b>1,343.9565</b>	<b>1,343.9565</b>	<b>8.0000e-003</b>	<b>0.1947</b>	<b>1,402.1859</b>

**3.4 Commercial:Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.7111					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8140</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Commercial:Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0451	0.0328	0.3516	9.8000e-004	0.1141	6.1000e-004	0.1147	0.0303	5.6000e-004	0.0308		99.2249	99.2249	3.6400e-003	3.2200e-003	100.2747
<b>Total</b>	<b>0.0451</b>	<b>0.0328</b>	<b>0.3516</b>	<b>9.8000e-004</b>	<b>0.1141</b>	<b>6.1000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.6000e-004</b>	<b>0.0308</b>		<b>99.2249</b>	<b>99.2249</b>	<b>3.6400e-003</b>	<b>3.2200e-003</b>	<b>100.2747</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.7111					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8140</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Commercial:Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0451	0.0328	0.3516	9.8000e-004	0.1141	6.1000e-004	0.1147	0.0303	5.6000e-004	0.0308		99.2249	99.2249	3.6400e-003	3.2200e-003	100.2747
<b>Total</b>	<b>0.0451</b>	<b>0.0328</b>	<b>0.3516</b>	<b>9.8000e-004</b>	<b>0.1141</b>	<b>6.1000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.6000e-004</b>	<b>0.0308</b>		<b>99.2249</b>	<b>99.2249</b>	<b>3.6400e-003</b>	<b>3.2200e-003</b>	<b>100.2747</b>

**3.5 Commercial:Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>



Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Commercial:Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7110	0.2098	2.7800e-003	0.0910	6.4100e-003	0.0974	0.0262	6.1300e-003	0.0323		293.3365	293.3365	1.2400e-003	0.0447	306.6718
Worker	0.1293	0.0941	1.0078	2.8000e-003	0.3271	1.7500e-003	0.3289	0.0868	1.6200e-003	0.0884		284.4446	284.4446	0.0104	9.2200e-003	287.4542
<b>Total</b>	<b>0.1527</b>	<b>0.8051</b>	<b>1.2176</b>	<b>5.5800e-003</b>	<b>0.4181</b>	<b>8.1600e-003</b>	<b>0.4262</b>	<b>0.1130</b>	<b>7.7500e-003</b>	<b>0.1207</b>		<b>577.7811</b>	<b>577.7811</b>	<b>0.0117</b>	<b>0.0539</b>	<b>594.1260</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Commercial:Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7110	0.2098	2.7800e-003	0.0910	6.4100e-003	0.0974	0.0262	6.1300e-003	0.0323		293.3365	293.3365	1.2400e-003	0.0447	306.6718
Worker	0.1293	0.0941	1.0078	2.8000e-003	0.3271	1.7500e-003	0.3289	0.0868	1.6200e-003	0.0884		284.4446	284.4446	0.0104	9.2200e-003	287.4542
<b>Total</b>	<b>0.1527</b>	<b>0.8051</b>	<b>1.2176</b>	<b>5.5800e-003</b>	<b>0.4181</b>	<b>8.1600e-003</b>	<b>0.4262</b>	<b>0.1130</b>	<b>7.7500e-003</b>	<b>0.1207</b>		<b>577.7811</b>	<b>577.7811</b>	<b>0.0117</b>	<b>0.0539</b>	<b>594.1260</b>

**3.6 Commercial:Arch Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.0947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>12.2993</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Commercial:Arch Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0197	0.2109	5.9000e-004	0.0685	3.7000e-004	0.0688	0.0182	3.4000e-004	0.0185		59.5349	59.5349	2.1800e-003	1.9300e-003	60.1648
<b>Total</b>	<b>0.0271</b>	<b>0.0197</b>	<b>0.2109</b>	<b>5.9000e-004</b>	<b>0.0685</b>	<b>3.7000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.4000e-004</b>	<b>0.0185</b>		<b>59.5349</b>	<b>59.5349</b>	<b>2.1800e-003</b>	<b>1.9300e-003</b>	<b>60.1648</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.0947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>12.2993</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Commercial:Arch Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0197	0.2109	5.9000e-004	0.0685	3.7000e-004	0.0688	0.0182	3.4000e-004	0.0185		59.5349	59.5349	2.1800e-003	1.9300e-003	60.1648
<b>Total</b>	<b>0.0271</b>	<b>0.0197</b>	<b>0.2109</b>	<b>5.9000e-004</b>	<b>0.0685</b>	<b>3.7000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.4000e-004</b>	<b>0.0185</b>		<b>59.5349</b>	<b>59.5349</b>	<b>2.1800e-003</b>	<b>1.9300e-003</b>	<b>60.1648</b>

**3.7 Residential:Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Residential:Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0601	0.0438	0.4687	1.3000e-003	0.1521	8.2000e-004	0.1530	0.0404	7.5000e-004	0.0411		132.2998	132.2998	4.8500e-003	4.2900e-003	133.6996
<b>Total</b>	<b>0.0601</b>	<b>0.0438</b>	<b>0.4687</b>	<b>1.3000e-003</b>	<b>0.1521</b>	<b>8.2000e-004</b>	<b>0.1530</b>	<b>0.0404</b>	<b>7.5000e-004</b>	<b>0.0411</b>		<b>132.2998</b>	<b>132.2998</b>	<b>4.8500e-003</b>	<b>4.2900e-003</b>	<b>133.6996</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Residential:Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0601	0.0438	0.4687	1.3000e-003	0.1521	8.2000e-004	0.1530	0.0404	7.5000e-004	0.0411		132.2998	132.2998	4.8500e-003	4.2900e-003	133.6996
<b>Total</b>	<b>0.0601</b>	<b>0.0438</b>	<b>0.4687</b>	<b>1.3000e-003</b>	<b>0.1521</b>	<b>8.2000e-004</b>	<b>0.1530</b>	<b>0.0404</b>	<b>7.5000e-004</b>	<b>0.0411</b>		<b>132.2998</b>	<b>132.2998</b>	<b>4.8500e-003</b>	<b>4.2900e-003</b>	<b>133.6996</b>

**3.8 Residential:Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.4890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>3.5918</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 Residential:Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0451	0.0328	0.3516	9.8000e-004	0.1141	6.1000e-004	0.1147	0.0303	5.6000e-004	0.0308		99.2249	99.2249	3.6400e-003	3.2200e-003	100.2747
<b>Total</b>	<b>0.0451</b>	<b>0.0328</b>	<b>0.3516</b>	<b>9.8000e-004</b>	<b>0.1141</b>	<b>6.1000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.6000e-004</b>	<b>0.0308</b>		<b>99.2249</b>	<b>99.2249</b>	<b>3.6400e-003</b>	<b>3.2200e-003</b>	<b>100.2747</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.4890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>3.5918</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 Residential:Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0451	0.0328	0.3516	9.8000e-004	0.1141	6.1000e-004	0.1147	0.0303	5.6000e-004	0.0308		99.2249	99.2249	3.6400e-003	3.2200e-003	100.2747
<b>Total</b>	<b>0.0451</b>	<b>0.0328</b>	<b>0.3516</b>	<b>9.8000e-004</b>	<b>0.1141</b>	<b>6.1000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.6000e-004</b>	<b>0.0308</b>		<b>99.2249</b>	<b>99.2249</b>	<b>3.6400e-003</b>	<b>3.2200e-003</b>	<b>100.2747</b>

**3.9 Residential:Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>



Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7110	0.2098	2.7800e-003	0.0910	6.4100e-003	0.0974	0.0262	6.1300e-003	0.0323		293.3365	293.3365	1.2400e-003	0.0447	306.6718
Worker	0.1293	0.0941	1.0078	2.8000e-003	0.3271	1.7500e-003	0.3289	0.0868	1.6200e-003	0.0884		284.4446	284.4446	0.0104	9.2200e-003	287.4542
<b>Total</b>	<b>0.1527</b>	<b>0.8051</b>	<b>1.2176</b>	<b>5.5800e-003</b>	<b>0.4181</b>	<b>8.1600e-003</b>	<b>0.4262</b>	<b>0.1130</b>	<b>7.7500e-003</b>	<b>0.1207</b>		<b>577.7811</b>	<b>577.7811</b>	<b>0.0117</b>	<b>0.0539</b>	<b>594.1260</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0234	0.7110	0.2098	2.7800e-003	0.0910	6.4100e-003	0.0974	0.0262	6.1300e-003	0.0323		293.3365	293.3365	1.2400e-003	0.0447	306.6718
Worker	0.1293	0.0941	1.0078	2.8000e-003	0.3271	1.7500e-003	0.3289	0.0868	1.6200e-003	0.0884		284.4446	284.4446	0.0104	9.2200e-003	287.4542
<b>Total</b>	<b>0.1527</b>	<b>0.8051</b>	<b>1.2176</b>	<b>5.5800e-003</b>	<b>0.4181</b>	<b>8.1600e-003</b>	<b>0.4262</b>	<b>0.1130</b>	<b>7.7500e-003</b>	<b>0.1207</b>		<b>577.7811</b>	<b>577.7811</b>	<b>0.0117</b>	<b>0.0539</b>	<b>594.1260</b>

**3.9 Residential:Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.6093	0.1895	2.6800e-003	0.0910	3.6300e-003	0.0946	0.0262	3.4800e-003	0.0297		283.6674	283.6674	7.8000e-004	0.0432	296.5519
Worker	0.1199	0.0832	0.9345	2.7100e-003	0.3271	1.6600e-003	0.3288	0.0868	1.5300e-003	0.0883		277.0071	277.0071	9.4500e-003	8.5400e-003	279.7893
<b>Total</b>	<b>0.1339</b>	<b>0.6925</b>	<b>1.1240</b>	<b>5.3900e-003</b>	<b>0.4181</b>	<b>5.2900e-003</b>	<b>0.4233</b>	<b>0.1130</b>	<b>5.0100e-003</b>	<b>0.1180</b>		<b>560.6745</b>	<b>560.6745</b>	<b>0.0102</b>	<b>0.0517</b>	<b>576.3412</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.6093	0.1895	2.6800e-003	0.0910	3.6300e-003	0.0946	0.0262	3.4800e-003	0.0297		283.6674	283.6674	7.8000e-004	0.0432	296.5519
Worker	0.1199	0.0832	0.9345	2.7100e-003	0.3271	1.6600e-003	0.3288	0.0868	1.5300e-003	0.0883		277.0071	277.0071	9.4500e-003	8.5400e-003	279.7893
<b>Total</b>	<b>0.1339</b>	<b>0.6925</b>	<b>1.1240</b>	<b>5.3900e-003</b>	<b>0.4181</b>	<b>5.2900e-003</b>	<b>0.4233</b>	<b>0.1130</b>	<b>5.0100e-003</b>	<b>0.1180</b>		<b>560.6745</b>	<b>560.6745</b>	<b>0.0102</b>	<b>0.0517</b>	<b>576.3412</b>

**3.9 Residential:Building Construction - 2024**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0136	0.6082	0.1855	2.6300e-003	0.0909	3.6500e-003	0.0946	0.0262	3.4900e-003	0.0297		278.3412	278.3412	7.4000e-004	0.0424	290.9907
Worker	0.1117	0.0741	0.8735	2.6200e-003	0.3271	1.5800e-003	0.3287	0.0868	1.4500e-003	0.0882		270.0053	270.0053	8.5800e-003	7.9500e-003	272.5903
<b>Total</b>	<b>0.1252</b>	<b>0.6822</b>	<b>1.0590</b>	<b>5.2500e-003</b>	<b>0.4180</b>	<b>5.2300e-003</b>	<b>0.4233</b>	<b>0.1130</b>	<b>4.9400e-003</b>	<b>0.1179</b>		<b>548.3465</b>	<b>548.3465</b>	<b>9.3200e-003</b>	<b>0.0503</b>	<b>563.5810</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 Residential:Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0136	0.6082	0.1855	2.6300e-003	0.0909	3.6500e-003	0.0946	0.0262	3.4900e-003	0.0297		278.3412	278.3412	7.4000e-004	0.0424	290.9907
Worker	0.1117	0.0741	0.8735	2.6200e-003	0.3271	1.5800e-003	0.3287	0.0868	1.4500e-003	0.0882		270.0053	270.0053	8.5800e-003	7.9500e-003	272.5903
<b>Total</b>	<b>0.1252</b>	<b>0.6822</b>	<b>1.0590</b>	<b>5.2500e-003</b>	<b>0.4180</b>	<b>5.2300e-003</b>	<b>0.4233</b>	<b>0.1130</b>	<b>4.9400e-003</b>	<b>0.1179</b>		<b>548.3465</b>	<b>548.3465</b>	<b>9.3200e-003</b>	<b>0.0503</b>	<b>563.5810</b>

**3.10 Residential:Arch Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>3.2282</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0197	0.2109	5.9000e-004	0.0685	3.7000e-004	0.0688	0.0182	3.4000e-004	0.0185		59.5349	59.5349	2.1800e-003	1.9300e-003	60.1648
<b>Total</b>	<b>0.0271</b>	<b>0.0197</b>	<b>0.2109</b>	<b>5.9000e-004</b>	<b>0.0685</b>	<b>3.7000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.4000e-004</b>	<b>0.0185</b>		<b>59.5349</b>	<b>59.5349</b>	<b>2.1800e-003</b>	<b>1.9300e-003</b>	<b>60.1648</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>3.2282</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0197	0.2109	5.9000e-004	0.0685	3.7000e-004	0.0688	0.0182	3.4000e-004	0.0185		59.5349	59.5349	2.1800e-003	1.9300e-003	60.1648
<b>Total</b>	<b>0.0271</b>	<b>0.0197</b>	<b>0.2109</b>	<b>5.9000e-004</b>	<b>0.0685</b>	<b>3.7000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.4000e-004</b>	<b>0.0185</b>		<b>59.5349</b>	<b>59.5349</b>	<b>2.1800e-003</b>	<b>1.9300e-003</b>	<b>60.1648</b>

**3.10 Residential:Arch Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>3.2154</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>



Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0251	0.0174	0.1956	5.7000e-004	0.0685	3.5000e-004	0.0688	0.0182	3.2000e-004	0.0185		57.9782	57.9782	1.9800e-003	1.7900e-003	58.5605
<b>Total</b>	<b>0.0251</b>	<b>0.0174</b>	<b>0.1956</b>	<b>5.7000e-004</b>	<b>0.0685</b>	<b>3.5000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.2000e-004</b>	<b>0.0185</b>		<b>57.9782</b>	<b>57.9782</b>	<b>1.9800e-003</b>	<b>1.7900e-003</b>	<b>58.5605</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>3.2154</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0251	0.0174	0.1956	5.7000e-004	0.0685	3.5000e-004	0.0688	0.0182	3.2000e-004	0.0185		57.9782	57.9782	1.9800e-003	1.7900e-003	58.5605
<b>Total</b>	<b>0.0251</b>	<b>0.0174</b>	<b>0.1956</b>	<b>5.7000e-004</b>	<b>0.0685</b>	<b>3.5000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.2000e-004</b>	<b>0.0185</b>		<b>57.9782</b>	<b>57.9782</b>	<b>1.9800e-003</b>	<b>1.7900e-003</b>	<b>58.5605</b>

**3.10 Residential:Arch Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>3.2045</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0234	0.0155	0.1828	5.5000e-004	0.0685	3.3000e-004	0.0688	0.0182	3.0000e-004	0.0185		56.5127	56.5127	1.8000e-003	1.6600e-003	57.0538
<b>Total</b>	<b>0.0234</b>	<b>0.0155</b>	<b>0.1828</b>	<b>5.5000e-004</b>	<b>0.0685</b>	<b>3.3000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.0000e-004</b>	<b>0.0185</b>		<b>56.5127</b>	<b>56.5127</b>	<b>1.8000e-003</b>	<b>1.6600e-003</b>	<b>57.0538</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>3.2045</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 Residential:Arch Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0234	0.0155	0.1828	5.5000e-004	0.0685	3.3000e-004	0.0688	0.0182	3.0000e-004	0.0185		56.5127	56.5127	1.8000e-003	1.6600e-003	57.0538
<b>Total</b>	<b>0.0234</b>	<b>0.0155</b>	<b>0.1828</b>	<b>5.5000e-004</b>	<b>0.0685</b>	<b>3.3000e-004</b>	<b>0.0688</b>	<b>0.0182</b>	<b>3.0000e-004</b>	<b>0.0185</b>		<b>56.5127</b>	<b>56.5127</b>	<b>1.8000e-003</b>	<b>1.6600e-003</b>	<b>57.0538</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Improve Pedestrian Network

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7638	7.3441	46.0460	0.0847	8.5958	0.0757	8.6715	2.2947	0.0710	2.3657		8,773.4140	8,773.4140	0.6834	0.5326	8,949.2144
Unmitigated	4.7873	7.3998	46.3795	0.0855	8.6826	0.0764	8.7590	2.3179	0.0717	2.3896		8,858.6998	8,858.6998	0.6875	0.5367	9,035.8270

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Convenience Market with Gas Pumps	1,294.00	1,294.00	1,294.00	2,552,907	2,527,378
Parking Lot	0.00	0.00	0.00		
Single Family Housing	525.20	525.20	525.20	1,552,323	1,536,800
<b>Total</b>	<b>1,819.20</b>	<b>1,819.20</b>	<b>1,819.20</b>	<b>4,105,230</b>	<b>4,064,178</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Convenience Market with Gas	10.00	5.00	7.00	0.80	80.20	19.00	100	0	0
Parking Lot	10.00	5.00	7.00	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	7.00	46.00	13.00	41.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market with Gas Pumps	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020
Parking Lot	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Single Family Housing	0.508386	0.056948	0.178426	0.142719	0.032913	0.007228	0.019592	0.017032	0.000592	0.000589	0.030937	0.000618	0.004020
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0798	0.6819	0.2914	4.3500e-003		0.0551	0.0551		0.0551	0.0551		870.3025	870.3025	0.0167	0.0160	875.4743
NaturalGas Unmitigated	0.0798	0.6819	0.2914	4.3500e-003		0.0551	0.0551		0.0551	0.0551		870.3025	870.3025	0.0167	0.0160	875.4743

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market with Gas Pumps	28.8493	3.1000e-004	2.8300e-003	2.3800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3940	3.3940	7.0000e-005	6.0000e-005	3.4142
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	7368.72	0.0795	0.6791	0.2890	4.3300e-003		0.0549	0.0549		0.0549	0.0549		866.9085	866.9085	0.0166	0.0159	872.0601
<b>Total</b>		<b>0.0798</b>	<b>0.6819</b>	<b>0.2914</b>	<b>4.3500e-003</b>		<b>0.0551</b>	<b>0.0551</b>		<b>0.0551</b>	<b>0.0551</b>		<b>870.3025</b>	<b>870.3025</b>	<b>0.0167</b>	<b>0.0160</b>	<b>875.4743</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - Natural Gas**

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience Market with Gas Pumps	0.0288493	3.1000e-004	2.8300e-003	2.3800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3940	3.3940	7.0000e-005	6.0000e-005	3.4142
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.36872	0.0795	0.6791	0.2890	4.3300e-003		0.0549	0.0549		0.0549	0.0549		866.9085	866.9085	0.0166	0.0159	872.0601
<b>Total</b>		<b>0.0798</b>	<b>0.6819</b>	<b>0.2914</b>	<b>4.3500e-003</b>		<b>0.0551</b>	<b>0.0551</b>		<b>0.0551</b>	<b>0.0551</b>		<b>870.3025</b>	<b>870.3025</b>	<b>0.0167</b>	<b>0.0160</b>	<b>875.4743</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed



Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6395	0.0960	8.3330	4.4000e-004		0.0462	0.0462		0.0462	0.0462	0.0000	15.0121	15.0121	0.0144	0.0000	15.3725
Unmitigated	28.6680	0.5459	45.1653	0.0785		5.3988	5.3988		5.3988	5.3988	620.5835	15.0121	635.5956	1.3376	0.0298	677.9109

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	24.0285	0.4499	36.8323	0.0781		5.3526	5.3526		5.3526	5.3526	620.5835	0.0000	620.5835	1.3232	0.0298	662.5383
Landscaping	0.2508	0.0960	8.3330	4.4000e-004		0.0462	0.0462		0.0462	0.0462		15.0121	15.0121	0.0144		15.3725
<b>Total</b>	<b>28.6680</b>	<b>0.5459</b>	<b>45.1653</b>	<b>0.0785</b>		<b>5.3988</b>	<b>5.3988</b>		<b>5.3988</b>	<b>5.3988</b>	<b>620.5835</b>	<b>15.0121</b>	<b>635.5956</b>	<b>1.3376</b>	<b>0.0298</b>	<b>677.9109</b>

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2508	0.0960	8.3330	4.4000e-004		0.0462	0.0462		0.0462	0.0462		15.0121	15.0121	0.0144		15.3725
<b>Total</b>	<b>4.6395</b>	<b>0.0960</b>	<b>8.3330</b>	<b>4.4000e-004</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0462</b>	<b>0.0462</b>	<b>0.0000</b>	<b>15.0121</b>	<b>15.0121</b>	<b>0.0144</b>	<b>0.0000</b>	<b>15.3725</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Lincoln Square Project - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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### Lincoln Square Project

#### EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

#### Yolo/Solano AQMD Air District, Mitigation Report

#### Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Commercial: Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial: Arch Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial: Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial: Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial: Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential: Arch Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential: Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential: Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential: Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

#### OFFROAD Equipment Mitigation

### Lincoln Square Project

#### EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Rubber Tired Dozers	Diesel	No Change	0	5	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	14	No Change	0.00
Air Compressors	Diesel	No Change	0	2	No Change	0.00
Cranes	Diesel	No Change	0	2	No Change	0.00
Excavators	Diesel	No Change	0	4	No Change	0.00
Forklifts	Diesel	No Change	0	6	No Change	0.00
Generator Sets	Diesel	No Change	0	2	No Change	0.00
Graders	Diesel	No Change	0	2	No Change	0.00
Pavers	Diesel	No Change	0	4	No Change	0.00
Paving Equipment	Diesel	No Change	0	4	No Change	0.00
Rollers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	4	No Change	0.00
Welders	Diesel	No Change	0	2	No Change	0.00

### Lincoln Square Project

#### EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	5.92900E-002	4.05700E-001	5.43700E-001	8.90000E-004	2.27600E-002	2.27600E-002	0.00000E+000	7.65976E+001	7.65976E+001	4.77000E-003	0.00000E+000	7.67170E+001
Cranes	9.50400E-002	1.04958E+000	4.88970E-001	1.51000E-003	4.36900E-002	4.01900E-002	0.00000E+000	1.33076E+002	1.33076E+002	4.30400E-002	0.00000E+000	1.34152E+002
Excavators	6.07000E-003	5.33100E-002	9.76500E-002	1.50000E-004	2.58000E-003	2.37000E-003	0.00000E+000	1.36082E+001	1.36082E+001	4.40000E-003	0.00000E+000	1.37182E+001
Forklifts	9.72600E-002	9.06360E-001	1.03438E+000	1.38000E-003	5.81200E-002	5.34700E-002	0.00000E+000	1.20862E+002	1.20862E+002	3.90900E-002	0.00000E+000	1.21839E+002
Generator Sets	9.53400E-002	8.46420E-001	1.10179E+000	1.97000E-003	4.12300E-002	4.12300E-002	0.00000E+000	1.69562E+002	1.69562E+002	7.75000E-003	0.00000E+000	1.69756E+002
Graders	6.22000E-003	7.88600E-002	2.58300E-002	1.00000E-004	2.51000E-003	2.31000E-003	0.00000E+000	8.72638E+000	8.72638E+000	2.82000E-003	0.00000E+000	8.79693E+000
Pavers	1.86000E-003	1.88900E-002	2.59600E-002	4.00000E-005	9.00000E-004	8.30000E-004	0.00000E+000	3.71703E+000	3.71703E+000	1.20000E-003	0.00000E+000	3.74708E+000
Paving Equipment	1.60000E-003	1.56400E-002	2.29100E-002	4.00000E-005	7.60000E-004	7.00000E-004	0.00000E+000	3.22070E+000	3.22070E+000	1.04000E-003	0.00000E+000	3.24674E+000
Rollers	1.50000E-003	1.55300E-002	1.67400E-002	2.00000E-005	9.00000E-004	8.20000E-004	0.00000E+000	2.07467E+000	2.07467E+000	6.70000E-004	0.00000E+000	2.09145E+000
Rubber Tired Dozers	2.51100E-002	2.63810E-001	1.07460E-001	2.60000E-004	1.25200E-002	1.15200E-002	0.00000E+000	2.25082E+001	2.25082E+001	7.28000E-003	0.00000E+000	2.26902E+001
Scrapers	2.45800E-002	2.68300E-001	1.91270E-001	4.60000E-004	1.04700E-002	9.64000E-003	0.00000E+000	4.00149E+001	4.00149E+001	1.29400E-002	0.00000E+000	4.03384E+001
Tractors/Loaders/Backhoes	1.32760E-001	1.34872E+000	1.87195E+000	2.61000E-003	6.98800E-002	6.42900E-002	0.00000E+000	2.28990E+002	2.28990E+002	7.40600E-002	0.00000E+000	2.30842E+002
Welders	7.96600E-002	4.32420E-001	5.06050E-001	7.70000E-004	1.78400E-002	1.78400E-002	0.00000E+000	5.64662E+001	5.64662E+001	6.46000E-003	0.00000E+000	5.66277E+001

### Lincoln Square Project

#### EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	5.92900E-002	4.05700E-001	5.43700E-001	8.90000E-004	2.27600E-002	2.27600E-002	0.00000E+000	7.65975E+001	7.65975E+001	4.77000E-003	0.00000E+000	7.67169E+001
Cranes	9.50400E-002	1.04958E+000	4.88970E-001	1.51000E-003	4.36900E-002	4.01900E-002	0.00000E+000	1.33076E+002	1.33076E+002	4.30400E-002	0.00000E+000	1.34152E+002
Excavators	6.07000E-003	5.33100E-002	9.76500E-002	1.50000E-004	2.58000E-003	2.37000E-003	0.00000E+000	1.36082E+001	1.36082E+001	4.40000E-003	0.00000E+000	1.37182E+001
Forklifts	9.72600E-002	9.06360E-001	1.03438E+000	1.38000E-003	5.81200E-002	5.34700E-002	0.00000E+000	1.20862E+002	1.20862E+002	3.90900E-002	0.00000E+000	1.21839E+002
Generator Sets	9.53400E-002	8.46410E-001	1.10179E+000	1.97000E-003	4.12300E-002	4.12300E-002	0.00000E+000	1.69562E+002	1.69562E+002	7.75000E-003	0.00000E+000	1.69756E+002
Graders	6.22000E-003	7.88600E-002	2.58300E-002	1.00000E-004	2.51000E-003	2.31000E-003	0.00000E+000	8.72637E+000	8.72637E+000	2.82000E-003	0.00000E+000	8.79692E+000
Pavers	1.86000E-003	1.88900E-002	2.59600E-002	4.00000E-005	9.00000E-004	8.30000E-004	0.00000E+000	3.71702E+000	3.71702E+000	1.20000E-003	0.00000E+000	3.74708E+000
Paving Equipment	1.60000E-003	1.56400E-002	2.29100E-002	4.00000E-005	7.60000E-004	7.00000E-004	0.00000E+000	3.22070E+000	3.22070E+000	1.04000E-003	0.00000E+000	3.24674E+000
Rollers	1.50000E-003	1.55300E-002	1.67400E-002	2.00000E-005	9.00000E-004	8.20000E-004	0.00000E+000	2.07467E+000	2.07467E+000	6.70000E-004	0.00000E+000	2.09144E+000
Rubber Tired Dozers	2.51100E-002	2.63810E-001	1.07460E-001	2.60000E-004	1.25200E-002	1.15200E-002	0.00000E+000	2.25082E+001	2.25082E+001	7.28000E-003	0.00000E+000	2.26902E+001
Scrapers	2.45800E-002	2.68300E-001	1.91270E-001	4.60000E-004	1.04700E-002	9.64000E-003	0.00000E+000	4.00148E+001	4.00148E+001	1.29400E-002	0.00000E+000	4.03383E+001
Tractors/Loaders/Balckhoes	1.32760E-001	1.34872E+000	1.87194E+000	2.61000E-003	6.98800E-002	6.42900E-002	0.00000E+000	2.28990E+002	2.28990E+002	7.40600E-002	0.00000E+000	2.30842E+002
Welders	7.96500E-002	4.32420E-001	5.06050E-001	7.70000E-004	1.78400E-002	1.78400E-002	0.00000E+000	5.64661E+001	5.64661E+001	6.46000E-003	0.00000E+000	5.66276E+001

### Lincoln Square Project

#### EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17497E-006	1.17497E-006	0.00000E+000	0.00000E+000	1.17314E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20232E-006	1.20232E-006	0.00000E+000	0.00000E+000	1.19267E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.46970E-006	1.46970E-006	0.00000E+000	0.00000E+000	1.45792E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15834E-006	1.15834E-006	0.00000E+000	0.00000E+000	1.14905E-006
Generator Sets	0.00000E+000	1.18145E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23848E-006	1.23848E-006	0.00000E+000	0.00000E+000	1.23707E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14595E-006	1.14595E-006	0.00000E+000	0.00000E+000	1.13676E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.69032E-006	2.69032E-006	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	4.78137E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.33285E-006	1.33285E-006	0.00000E+000	0.00000E+000	1.32216E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24954E-006	1.24954E-006	0.00000E+000	0.00000E+000	1.23951E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	5.34202E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17909E-006	1.17909E-006	0.00000E+000	0.00000E+000	1.16963E-006
Welders	1.25534E-004	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23968E-006	1.23968E-006	0.00000E+000	0.00000E+000	1.23614E-006

#### Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
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### Lincoln Square Project

#### EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Residential:Building Construction	Roads	0.10	0.03	0.10	0.03	0.00	0.00
Residential:Grading	Fugitive Dust	0.09	0.04	0.09	0.04	0.00	0.00
Residential:Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Residential:Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Residential:Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00

#### Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	100.00	100.00	100.00	100.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.46	0.76	0.75	0.95	0.86	0.92	0.00	0.96	0.96	0.62	0.78	0.96
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.79	3.99	0.03	0.00	1.99
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

#### Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
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**Lincoln Square Project**

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

No	Land Use	Increase Density	0.00		
No	Land Use	Increase Diversity	0.03	0.20	
No	Land Use	Improve Walkability Design	0.00		
No	Land Use	Improve Destination Accessibility	0.00		
No	Land Use	Increase Transit Accessibility	0.25		
No	Land Use	Integrate Below Market Rate Housing	0.00		
	Land Use	Land Use SubTotal	0.00		
Yes	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.01		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.01		
No	Commute	Implement Trip Reduction Program			

**Lincoln Square Project**

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	4.50		
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00	2.00	
No	Commute	Provide Ride Sharing Program	10.00		
	Commute	Commuter Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.01		

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	50.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00

**Lincoln Square Project**

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

**Energy Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

**Water Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	0.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	

**Lincoln Square Project**

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

**Solid Waste Mitigation**

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

## BREEZE AERMOD Model Results

### Max. Annual ( 5 YEARS) Results of Pollutant: OTHER (ug/m\*\*3)

Group ID	High	Avg. Conc.	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
			East (m)	North (m)					
ALL	1ST	172.69935	602710.00	4258154.70	0.00	0.00	1.80	DC	
	2ND	168.03902	602705.00	4258154.70	0.00	0.00	1.80	DC	
	3RD	167.46132	602715.00	4258154.70	0.00	0.00	1.80	DC	
	4TH	154.03269	602700.00	4258154.70	0.00	0.00	1.80	DC	
	5TH	153.04110	602710.00	4258149.70	0.00	0.00	1.80	DC	
	6TH	150.26161	602715.00	4258149.70	0.00	0.00	1.80	DC	
	7TH	148.03776	602705.00	4258149.70	0.00	0.00	1.80	DC	
	8TH	136.50280	602710.00	4258144.70	0.00	0.00	1.80	DC	
	9TH	136.00493	602700.00	4258149.70	0.00	0.00	1.80	DC	
	10TH	135.36562	602715.00	4258144.70	0.00	0.00	1.80	DC	

### Highest Results of Pollutant: OTHER

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	ALL	1ST	Avg. Conc.	8250.10674	ug/m**3	10010320	602655.00	4258209.70	0.00	0.00	1.80	DC	

### Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
2	Warning Message(s)
17402	Informational Message(s)
43872	Hours Were Processed
13906	Calm Hours Identified
3496	Missing Hours Identified ( 7.97 Percent)

### Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	OU	<a href="#">W565</a>	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

WARNING	MX	<a href="#">W481</a>	Data Remaining After End of Year. Number of Hours= 48
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[www.breeze-software.com](http://www.breeze-software.com)



## BREEZE AERMOD Model Results

### Max. Annual ( 5 YEARS) Results of Pollutant: OTHER (ug/m\*\*3)

Group ID	High	Avg. Conc.	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
			East (m)	North (m)					
ALL	1ST	172.71125	602710.00	4258154.70	0.00	0.00	1.80	DC	
	2ND	168.05197	602705.00	4258154.70	0.00	0.00	1.80	DC	
	3RD	167.47164	602715.00	4258154.70	0.00	0.00	1.80	DC	
	4TH	154.04595	602700.00	4258154.70	0.00	0.00	1.80	DC	
	5TH	153.05004	602710.00	4258149.70	0.00	0.00	1.80	DC	
	6TH	150.26953	602715.00	4258149.70	0.00	0.00	1.80	DC	
	7TH	148.04732	602705.00	4258149.70	0.00	0.00	1.80	DC	
	8TH	136.50956	602710.00	4258144.70	0.00	0.00	1.80	DC	
	9TH	136.01460	602700.00	4258149.70	0.00	0.00	1.80	DC	
	10TH	135.37173	602715.00	4258144.70	0.00	0.00	1.80	DC	

### Highest Results of Pollutant: OTHER

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	ALL	1ST	Avg. Conc.	8250.47619	ug/m**3	10010320	602655.00	4258209.70	0.00	0.00	1.80	DC	

### Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
2	Warning Message(s)
17402	Informational Message(s)
43872	Hours Were Processed
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### Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	OU	<a href="#">W565</a>	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

WARNING	MX	<a href="#">W481</a>	Data Remaining After End of Year. Number of Hours= 48
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## BREEZE AERMOD Model Results

### Max. Annual ( 5 YEARS) Results of Pollutant: OTHER (ug/m\*\*3)

Group ID	High	Avg. Conc.	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
			East (m)	North (m)					
ALL	1ST	167.90365	602660.00	4258259.70	0.00	0.00	1.80	DC	
	2ND	163.47172	602660.00	4258264.70	0.00	0.00	1.80	DC	
	3RD	163.24122	602660.00	4258254.70	0.00	0.00	1.80	DC	
	4TH	155.51707	602660.00	4258269.70	0.00	0.00	1.80	DC	
	5TH	151.00774	602660.00	4258249.70	0.00	0.00	1.80	DC	
	6TH	148.36038	602660.00	4258274.70	0.00	0.00	1.80	DC	
	7TH	140.63432	602660.00	4258279.70	0.00	0.00	1.80	DC	
	8TH	138.41799	602655.00	4258259.70	0.00	0.00	1.80	DC	
	9TH	135.67174	602655.00	4258254.70	0.00	0.00	1.80	DC	
	10TH	134.50324	602655.00	4258264.70	0.00	0.00	1.80	DC	

### Highest Results of Pollutant: OTHER

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	ALL	1ST	Avg. Conc.	18288.02853	ug/m**3	13010704	602660.00	4258259.70	0.00	0.00	1.80	DC	

### Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
2	Warning Message(s)
17402	Informational Message(s)
43872	Hours Were Processed
13906	Calm Hours Identified
3496	Missing Hours Identified ( 7.97 Percent)

### Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	OU	<a href="#">W565</a>	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

WARNING	MX	<a href="#">W481</a>	Data Remaining After End of Year. Number of Hours= 48
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## BREEZE AERMOD Model Results

### Max. Annual ( 5 YEARS) Results of Pollutant: OTHER (ug/m\*\*3)

Group ID	High	Avg. Conc.	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
			East (m)	North (m)					
ALL	1ST	172.78892	602660.00	4258259.70	0.00	0.00	1.80	DC	
	2ND	167.27096	602660.00	4258254.70	0.00	0.00	1.80	DC	
	3RD	166.97138	602660.00	4258264.70	0.00	0.00	1.80	DC	
	4TH	157.46150	602660.00	4258269.70	0.00	0.00	1.80	DC	
	5TH	155.57508	602660.00	4258249.70	0.00	0.00	1.80	DC	
	6TH	150.52561	602660.00	4258274.70	0.00	0.00	1.80	DC	
	7TH	142.93751	602655.00	4258259.70	0.00	0.00	1.80	DC	
	8TH	141.87878	602660.00	4258279.70	0.00	0.00	1.80	DC	
	9TH	139.17546	602655.00	4258254.70	0.00	0.00	1.80	DC	
	10TH	137.76935	602655.00	4258264.70	0.00	0.00	1.80	DC	

### Highest Results of Pollutant: OTHER

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	ALL	1ST	Avg. Conc.	21825.39597	ug/m**3	13010704	602660.00	4258259.70	0.00	0.00	1.80	DC	

### Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
2	Warning Message(s)
17402	Informational Message(s)
43872	Hours Were Processed
13906	Calm Hours Identified
3496	Missing Hours Identified ( 7.97 Percent)

### Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	OU	<a href="#">W565</a>	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

WARNING	MX	<a href="#">W481</a>	Data Remaining After End of Year. Number of Hours= 48
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## Gasoline Dispensing Facility Operations

Project Name: Lincoln Square Gas Station  
 Author: Brie Shea (Raney)  
 Date: 9/23/2021

Instructions: Input project information into green cells

### Inputs

Throughput (gallons/year): 2,300,000 per Commercial AQ Questionnaire

#### AERMOD Results

	Average Concentration (ug/m <sup>3</sup> )	Highest Hour (ug/m <sup>3</sup> )	
Loading	172.69935	8250.10674	data from 9/23/2021
Breathing	172.71125	8250.47619	
Refueling	167.90365	18288.02853	
Spillage	172.78892	21825.39597	

### Outputs

VOC emissions (lbs/day) 5.98

#### Info for HARP

Pollutant	Emission Source	Average Concentration (ug/m <sup>3</sup> )	Highest Hour (ug/m <sup>3</sup> )
Benzene	Loading	0.001439719	0.068777554
	Breathing	0.000428517	0.020470427
	Refueling	0.006998699	0.76229672
	Spillage	0.024007769	3.032480644
Ethyl Benzene	Loading	0.007678504	0.366813619
	Breathing	0.002285426	0.109175609
	Refueling	0.037326393	4.065582506
	Spillage	0.03841243	4.85196903
Toluene	Loading	0.038392518	1.834068094
	Breathing	0.011427132	0.545878044
	Refueling	0.186631966	20.32791253
	Spillage	0.192062149	24.25984515
Xylenes	Loading	0.011517755	0.550220428
	Breathing	0.00342814	0.163763413
	Refueling	0.05598959	6.09837376
	Spillage	0.057618645	7.277953545

HARP2 - HRACalc (dated 19044) 9/23/2021 11:23:04 AM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: HighEnd

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 30

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 0  
2<16 Years Bin: 14  
16<30 Years Bin: 14  
16 to 70 Years Bin: 0

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: False  
Dermal: False  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*



Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***

3rd Trimester to 16 years: OFF

16 years to 70 years: ON

\*\*\*\*\*

#### TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk saved to: C:\Users\bshea\Desktop\HARP\lincoln square gdf

1\_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\bshea\Desktop\HARP\lincoln square gdf

1\_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\bshea\Desktop\HARP\lincoln square gdf

1\_NCAcuteRisk.csv

HRA ran successfully

\*HARP - HRACalc v19044 9/23/2021 11:23:04 AM - Cancer Risk - Input File: C:\Users\bshea\Desktop\HARP\lincoln square gdf 1\_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK
1	Loading	0	71432	Benzene	0.001439719	1.13E-07	30YrCancerHighEnd_Inh_FAH16to70	*	1.13E-07
2	Breathing	0	71432	Benzene	0.000428517	3.37E-08	30YrCancerHighEnd_Inh_FAH16to70	*	3.37E-08
3	Refueling	0	71432	Benzene	0.006998699	5.50E-07	30YrCancerHighEnd_Inh_FAH16to70	*	5.50E-07
4	Spillage	0	71432	Benzene	0.02400777	1.89E-06	30YrCancerHighEnd_Inh_FAH16to70	*	1.89E-06
5	Loading	0	100414	Ethyl Benzene	0.007678504	5.25E-08	30YrCancerHighEnd_Inh_FAH16to70	*	5.25E-08
6	Breathing	0	100414	Ethyl Benzene	0.002285426	1.56E-08	30YrCancerHighEnd_Inh_FAH16to70	*	1.56E-08
7	Refueling	0	100414	Ethyl Benzene	0.03732639	2.55E-07	30YrCancerHighEnd_Inh_FAH16to70	*	2.55E-07
8	Spillage	0	100414	Ethyl Benzene	0.03841243	2.63E-07	30YrCancerHighEnd_Inh_FAH16to70	*	2.63E-07
9	Loading	0	108883	Toluene	0.03839252	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00
10	Breathing	0	108883	Toluene	0.01142713	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00
11	Refueling	0	108883	Toluene	0.186632	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00
12	Spillage	0	108883	Toluene	0.1920622	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00
13	Loading	0	1330207	Xylenes	0.01151775	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00
14	Breathing	0	1330207	Xylenes	0.00342814	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00
15	Refueling	0	1330207	Xylenes	0.05598959	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00
16	Spillage	0	1330207	Xylenes	0.05761864	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00





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INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY
1	Loading	0	71432	Benzene	0.001439719	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	Breathing	0	71432	Benzene	0.000428517	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	Refueling	0	71432	Benzene	0.006998699	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	Spillage	0	71432	Benzene	0.02400777	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	Loading	0	100414	Ethyl Benzene	0.007678504	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	3.84E-06
6	Breathing	0	100414	Ethyl Benzene	0.002285426	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	1.14E-06
7	Refueling	0	100414	Ethyl Benzene	0.03732639	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	1.87E-05
8	Spillage	0	100414	Ethyl Benzene	0.03841243	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	1.92E-05
9	Loading	0	108883	Toluene	0.03839252	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	Breathing	0	108883	Toluene	0.01142713	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	Refueling	0	108883	Toluene	0.186632	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	Spillage	0	108883	Toluene	0.1920622	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	Loading	0	1330207	Xylenes	0.01151775	NonCancerChronicHighEnd_Inh	0.00E+00	1.65E-05	0.00E+00	0.00E+00
14	Breathing	0	1330207	Xylenes	0.00342814	NonCancerChronicHighEnd_Inh	0.00E+00	4.90E-06	0.00E+00	0.00E+00
15	Refueling	0	1330207	Xylenes	0.05598959	NonCancerChronicHighEnd_Inh	0.00E+00	8.00E-05	0.00E+00	0.00E+00
16	Spillage	0	1330207	Xylenes	0.05761864	NonCancerChronicHighEnd_Inh	0.00E+00	8.23E-05	0.00E+00	0.00E+00

GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	*	1.44E-03	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	*	4.29E-04	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	*	7.00E-03	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	*	2.40E-02	0.00E+00
3.84E-06	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	*	7.68E-03	0.00E+00
1.14E-06	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	*	2.29E-03	0.00E+00
1.87E-05	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	*	3.73E-02	0.00E+00
1.92E-05	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	*	3.84E-02	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.84E-02	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.14E-02	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.87E-01	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.92E-01	0.00E+00
0.00E+00	0.00E+00	1.65E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-02	0.00E+00
0.00E+00	0.00E+00	4.90E-06	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.43E-03	0.00E+00
0.00E+00	0.00E+00	8.00E-05	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.60E-02	0.00E+00
0.00E+00	0.00E+00	8.23E-05	0.00E+00	8.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.76E-02	0.00E+00







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INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV
1	Loading	0	71432	Benzene	0.06877755	NonCancerAcute	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
2	Breathing	0	71432	Benzene	0.02047043	NonCancerAcute	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
3	Refueling	0	71432	Benzene	0.7622967	NonCancerAcute	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00
4	Spillage	0	71432	Benzene	3.032481	NonCancerAcute	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00
5	Loading	0	100414	Ethyl Benzene	0.3668136	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	Breathing	0	100414	Ethyl Benzene	0.1091756	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	Refueling	0	100414	Ethyl Benzene	4.065582	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	Spillage	0	100414	Ethyl Benzene	4.851969	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	Loading	0	108883	Toluene	1.834068	NonCancerAcute	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00
10	Breathing	0	108883	Toluene	0.5458781	NonCancerAcute	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00
11	Refueling	0	108883	Toluene	20.32791	NonCancerAcute	0.00E+00	4.07E-03	0.00E+00	0.00E+00	0.00E+00
12	Spillage	0	108883	Toluene	24.25985	NonCancerAcute	0.00E+00	4.85E-03	0.00E+00	0.00E+00	0.00E+00
13	Loading	0	1330207	Xylenes	0.5502204	NonCancerAcute	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00
14	Breathing	0	1330207	Xylenes	0.1637634	NonCancerAcute	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00
15	Refueling	0	1330207	Xylenes	6.098374	NonCancerAcute	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00
16	Spillage	0	1330207	Xylenes	7.277954	NonCancerAcute	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00

REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
2.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00
1.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	3.67E-04	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	1.09E-04	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	4.07E-03	0.00E+00	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	4.85E-03	0.00E+00	4.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	2.50E-05	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	7.44E-06	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	2.77E-04	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	3.31E-04	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Source Name	Type	Cancer Risk at PMI	Acute Hazard Index	Chronic Hazard Index
Dorset Valero	GDF	10	0.07	0.05
ARCO AM/PM	GDF	10.46	0.07	0.05
Gymboree	2 diesel engines (emergency generators)	13.13	0.04	0.00355
Ramos Oil Co	GDF	6.7	-	-
Ramos Oil Co	soil vapor extraction	29.92	0.48	0.124
Proposed GDF	GDF	3.17	0.46	0.01
	<b>Total</b>	<b>73.38</b>	<b>1.12</b>	<b>0.23755</b>

## **Appendix B**

Dixon Property – Opportunities and Constraints Memorandum

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## Memorandum

**To:** Lewis Management Corp.  
Jeb Elmore  
Jeb.Elmore@lewismc.com  
Rob White,  
Rob.White@lewismc.com

**From:** Leslie Lazarotti,  
lazarotti@wra-ca.com

Bianca Clarke,  
clarke@wra-ca.com

**Subject:** Dixon Property — Opportunities and Constraints Memorandum

**Date:** July 26, 2019

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This memorandum evaluates potential biological constraints for two parcels (APNs: 108-110-45, 108-110-46) totaling approximately 13.37 acres (Study Area) in the City of Dixon (City), Solano County, California (Figure 1). The Study Area is bounded to the west by residential development, to the north by Vaughn Road and residential development, to the east by Lincoln Highway (Route 113) and commercial properties, and the south by a commercial business. On July 19, 2019, WRA biologists traversed the Study Area on foot to evaluate the potential presence of sensitive vegetation communities and aquatic features, and the potential for onsite habitat to support special-status plant and wildlife species. Observed plant communities and potential aquatic features were noted. Site conditions were noted as they relate to habitat requirements of special-status plant and wildlife species known to occur in the vicinity, as determined by background literature research. A list of plant and wildlife species observed during the site visit is attached.

As part of this assessment, WRA reviewed the draft Solano Multispecies Habitat Conservation Plan (Solano HCP). The draft Solano HCP establishes a framework for complying with state and federal endangered species regulations while accommodating future urban growth, development of infrastructure, and ongoing operations and maintenance activities undertaken by or under the plan for participants within Solano County over the next 30 years (LSA 2012). Once the Solano HCP is finalized, projects located within the plan area will be eligible for take coverage for impacts to listed species if the project complies with the plans conservation measures. The Study Area is located within the Solano HCP plan area, within the City of Dixon Urban Growth Boundary.

### Methods

Prior to the site visit, background literature was reviewed to determine the potential presence of sensitive vegetation communities, aquatic communities, and special-status plant and wildlife species. Resources reviewed for sensitive vegetation and aquatic features include aerial photography, mapped soil types, the California Native Plant Society (CNPS) Online Databases (2019), the California Department of Fish and Wildlife's (CDFW) California Natural Diversity

Database (CNDDDB; CDFW 2019), and the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) database (USFWS 2019). For databases queries, the Allendale, Davis, Dixon, Dozier, Elmira, Liberty Island, Merritt, Saxon, and Winters U.S. Geological (USGS) 7.5-minute quadrangles were included as the focal search area.

### ***Existing Conditions and Site History***

The majority of the Study Area is comprised of 13.05 acre of non-native annual grassland, dominated by wild oat (*Avena fatua*), ripgut brome (*Bromus diandrus*), and Italian rye grass (*Festuca perennis*). Based on historical aerial imagery (Google Earth 2019, NETR 2019), this area has been in active agricultural since 1968. Topographic maps indicate a watercourse, Dudley Creek, located approximately 1,000 feet south of the Study Area. However, at the surface level, this water feature appears entirely absent now. Since the 1960's, the site appears to have been maintained through regularly discing and mowing activities. A narrow strip of non-native herbaceous vegetation is present along the north, east, and south edge of the Study Area where discing equipment is not able to access. Dominate vegetation in the strip consists of common mallow (*Malva neglecta*), prostrate knotweed (*Polygonum aviculare*), ripgut brome, Italian rye grass, perennial pepperweed (*Lepidium latifolium*), and flax-leaved horseweed (*Erigeron bonariensis*). Along the west edge of the Study Area is a narrow strip of ornamental trees and shrubs comprising approximately 0.32 acre. The ornamental species are dominated by oleander (*Nerium oleander*), London plane tree (*Platanus x hispanica*), scarlet firethorn (*Pyracantha coccinea*), ornamental cherry (*Prunus* sp.), and coast live oak (*Quercus agrifolia*). Sometime between 1996 and 2003, Route 113 adjacent to the Study Area was widened and repaved. Upgrades to Route 113 during this period added infrastructure upgrades to the north and east edge of the Study Area including sidewalk, sidewalk illumination, underground utility lines, and aboveground utility cabinets.

### ***Potential Aquatic Features within the Study Area***

Based on this preliminary assessment, there are no potential aquatic features within or immediately adjacent to the Study Area. The site is entirely flat with elevations ranging from 66 to 67 feet above sea level. During the July 19, 2019 site visit, the site appears to have been recently disced. As such, it is possible potential hydric soil indicators could have been obscured by discing activities. However, given the timing of the evaluation, dominance of upland vegetation, and level elevations onsite, the Study Area is highly unlikely to support aquatic features.

### ***Special-Status Plant Species***

WRA assessed the potential for habitat within the Study Area to support the occurrence of special-status plants. Due to the agricultural history and on-going discing and maintenance activities at the Study Area, no special-status plant species have moderate or high potential to occur within the Study Area. No rare plant surveys are recommended.

### ***Special-Status Wildlife Species***

WRA assessed the potential habitat within the Study Area to support the occurrence of special-status wildlife. Special-status wildlife species determined to have moderate or high potential to occur in the Study Area are discussed below.

**Swainson's hawk (*Buteo swainsoni*).** State Threatened, USFWS Bird of Conservation Concern. Solano HCP focal species. The Study Area contains grassland and trees which may

be suitable for nesting and foraging by this species. Swainson's hawk was documented nesting approximately 0.2 mile from the Study Area in 2006 (CDFW 2019). The Study Area is regularly disced and disturbed, reducing potential prey base for Swainson's hawk. However, due to the number of nearby documented occurrences and nearby nest trees, the Study Area has a moderate potential to support Swainson's hawk. The Study Area does not lie within a Swainson's hawk Potential Reserve Area as determined by the Solano HCP. In accordance with the Solano HCP, between March 1 and August 31 an approved biologist shall conduct a pre-construction survey within the Study Area and suitable habitat within 0.25 mile within 15 days of the start of any potential construction. If a lapse in construction related work lasts for 15 days or longer, additional pre-construction surveys may be required. If a nest is located within 0.25 miles of the Study Area, an appropriate buffer will be established. Other mitigation measures may be necessary as described in the Solano HCP if Swainson's hawk is observed nesting within the Study Area, including protection of the nesting tree.

**Burrowing owl (*Athene cunicularia*).** CDFW Species of Special Concern; USFWS Bird of Conservation Concern. Solano HCP focal species. Burrowing owls occupy open areas and are dependent on burrowing mammals to provide burrows for shelter and nesting. The Study Area is highly disturbed and was disced prior to the July 19, 2019 site visit. No ground squirrels or suitable burrows were observed in the Study Area during the site visit. However, burrowing owl has been documented within 1 mile of the Study Area (CDFW 2019), and ground squirrels have potential to move into the site from adjacent undeveloped land and establish burrows and suitable burrowing owl habitat. Due to the open nature of the site and nearby documented occurrences, this species has a moderate potential to occur in the Study Area. If suitable habitat is established within the site, pre-construction surveys in known or suitable habitat areas to identify and subsequently avoid nesting areas may be warranted as detailed in the Solano HCP.

**White-tailed kite (*Elanus leucurus*).** CDFW Fully Protected Species. (Not included as Solano HCP focal species). The Study Area contains trees and open grassland which may be suitable for nesting and foraging by this species. The Study Area has been regularly disced and disturbed, reducing the potential prey base for this species. However, due to nearby occurrences (eBird 2019) and the open nature of the site, white-tailed kite has a moderate potential to occur.

**MBTA and California Fish and Game Code Protected Nesting Birds.** Within the Study Area, native birds may nest in trees, shrubbery, and on the ground. Most native birds have baseline protections under the California Fish and Game Code and guidelines for protections under the federal Migratory Bird Treaty Act of 1918. Under these laws/codes, the intentional killing, collecting or trapping of covered species, including their active nests (those with eggs or young), is prohibited.

Measures for special-status (including white-tailed kite) and non-status nesting birds typically requires a pre-construction survey by a qualified biologist during the nesting season (February 1-August 31). If nests are located, a no disturbance buffer is placed around the nest and work within the buffer resumes once the nest has either fledged or failed.

### **Conclusions and Recommendations Summary**

Based on results of the site visit, the Study Area does not contain any aquatic features or sensitive biological communities. Any potential work conducted in the Study Area will not require authorization from the U.S. Army Corps of Engineers (Corps), Regional Water Quality Control Board (RWQCB), or CDFW. The Study Area does not have the potential to support special-status plant species.

The Study Area has potential to support special status (burrowing owl, Swainson's hawk, white-tailed kite) and non-status nesting birds with baseline legal protections. Avoidance and mitigation measures include preconstruction surveys and establishment of no disturbance buffers if nesting is observed. Swainson's hawk and burrowing owl are focal species in the Solano HCP which may require further mitigation if they are determined to be nesting within the site during preconstruction surveys. The Study Area is unlikely to support other special-status wildlife species.

Existing and some proposed trees within the Study Area may be protected under the Street Tree Ordinance of the City of Dixon (Chapter 13.05). The City's Ordinance outlines maintenance and encroachment requirements for all existing trees and planting requirements for all newly proposed street trees associated with new development. A street tree is defined by the Dixon Municipal Code as any tree within the Street Tree Area which includes the space within a public street right-of-way plus 5 feet beyond. Under the Ordinance, any maintenance of street trees requires an encroachment permit from the City. In addition, all new planting of trees within the Street Tree Area must be approved by the City's Planning Commission and follow the maintenance obligations. The City prohibits the planting of the following trees in the Street Tree Area: blackwood acacia (*Acacia melanoxylon*), black walnut (*Juglans nigra*), eucalyptus (*Eucalyptus* spp.), elm (*Ulmus* spp.), European hackberry (*Celtis australis*), palm (*Phoenix* spp. and *Washingtonia* spp.), poplar (*Populus* spp.), sweet gum (*Liquidambar styraciflua*), tree of heaven (*Ailanthus altissima*), sycamore (*Platanus* spp.), locust (*Robinia* spp.), willow (*Salix* spp.), cottonwood (*Populus* spp.), and fruiting mulberry (*Morus alba*).

#### References:

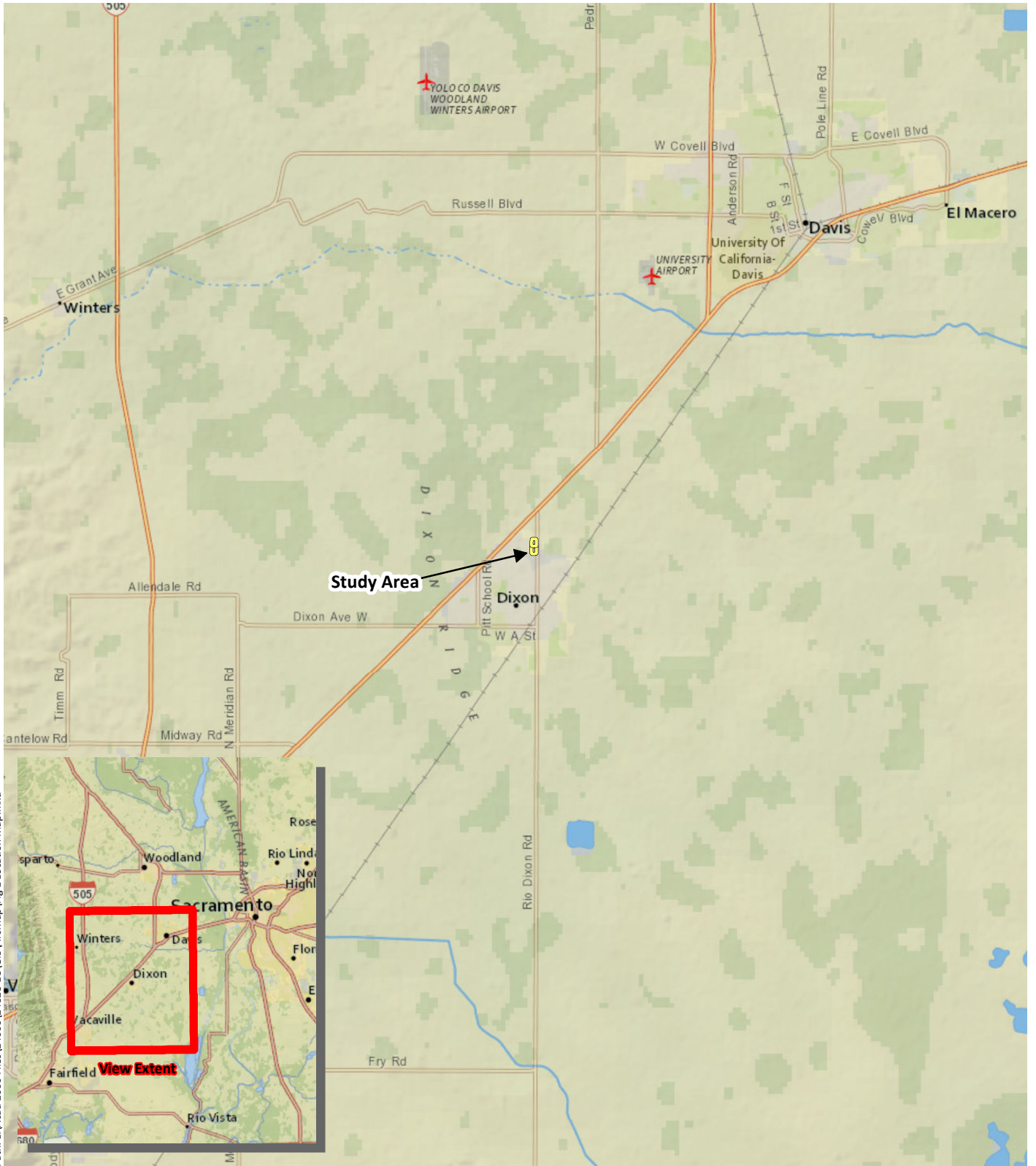
- [CDFW] California Department of Fish and Wildlife. 2019. California Natural Diversity Database. Wildlife and Habitat Data Analysis Branch, Sacramento, CA. Accessed July 2019.
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- [NETR] Nationwide Environmental Title Research. 2019. Historic Aerials 1968-2014. July 19, 2019. Accessed at: <https://www.historicaerials.com/>.
- [USFWS] U.S. Fish and Wildlife Service. 2019. Information for Planning and Consultation (IPaC). Online at <https://ecos.fws.gov/ipac/>. Accessed July 2019.
- [USGS] U.S. Geological Survey. 2019. Allendale, Davis, Dixon, Dozier, Elmira, Liberty Island, Merritt, Saxon, and Winters 7.5-minute topographic quadrangles.



**Attachments:**

- Appendix A: Figures
- Appendix B: Site Photographs
- Appendix C: List of Observed Plant Species
- Appendix D: Database Search Output Lists and Reports

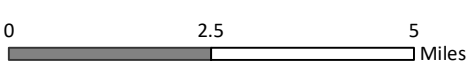
## **Appendix A. Figures**



Sources: National Geographic, WRA | Prepared By: smortensen, 7/24/2019

**Figure 1. Study Area Location**

Lewis Dixon  
 Suison City, Solano County, CA



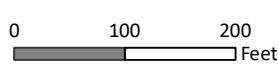
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Sources: National Geographic, WRA | Prepared By: smortensen, 7/24/2019

**Figure 2. Biological Communities**

Lewis Dixon  
Suisun City, Solano County, CA



## **Appendix B: Site Photographs**



**Photograph 1.** The photograph was taken near the west edge of the Study Area. View is looking south towards recently disced non-native grassland in foreground, commercial property in the top left corner, and ornamental trees in the right side of the photo.



**Photograph 2.** The photograph was taken near the west edge of the Study Area looking north. View is of disced field in the foreground and ornamental plantings in the left side of the photo.



**Photograph 3.** The photograph was taken along the east edge of the Study Area looking south. The photograph from right to left shows disc'd fields, a strip of herbaceous non-native forbs, sidewalk, and roadway (Route 113).



**Photograph 4.** The photograph was taken in the south central portion of the Study Area looking west across the Project Area.

## **Appendix C: List of Observed Plant Species**



**Appendix C.** Plant species observed during the July 19, 2019 site visit.

<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>
<b>Plants</b>	
<i>Avena fatua</i>	Wildoats
<i>Brassica nigra</i>	Black mustard
<i>Bromus diandrus</i>	Ripgut brome
<i>Carduus pycnocephalus ssp. pycnocephalus</i>	Italian thistle
<i>Convolvulus arvensis</i>	Field bindweed
<i>Erigeron bonariensis</i>	Flax-leaved horseweed
<i>Festuca perennis</i>	Italian rye grass
<i>Hordeum murinum</i>	Foxtail barley
<i>Juglans hindsii</i>	Northern california black walnut
<i>Lactuca serriola</i>	Prickly lettuce
<i>Lepidium latifolium</i>	Perennial pepperweed
<i>Malva neglecta</i>	Dwarf mallow
<i>Malva parviflora</i>	Cheeseweed
<i>Nerium oleander</i>	Oleander
<i>Platanus ×hispanica</i>	London plane tree
<i>Polygonum aviculare</i>	Prostrate knotweed
<i>Prunus sp.</i>	-
<i>Quercus agrifolia</i>	Coast live oak
<i>Raphanus sativus</i>	Jointed charlock
<i>Sequoia sempervirens</i>	Coast redwood
<i>Silybum marianum</i>	Milk thistle
<i>Tribulus terrestris</i>	Puncture vine

## **Appendix D: Database Search Output Lists and Reports**



# Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Winters) OR Merritt OR Davis OR Allendale OR Dixon OR Saxon OR Elmira OR Dozier OR Liberty Island AND Taxonomic Group (Ferns) OR Gymnosperms OR Monocots OR Dicots

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Astragalus tener</i> var. <i>ferrisiae</i> Ferris' milk-vetch	PDFAB0F8R3	None	None	G2T1	S1	1B.1
<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch	PDFAB0F8R1	None	None	G2T1	S1	1B.2
<i>Atriplex cordulata</i> var. <i>cordulata</i> heartscale	PDCHE040B0	None	None	G3T2	S2	1B.2
<i>Atriplex depressa</i> brittlescale	PDCHE042L0	None	None	G2	S2	1B.2
<i>Atriplex persistens</i> vernal pool smallscale	PDCHE042P0	None	None	G2	S2	1B.2
<i>Centromadia parryi</i> ssp. <i>parryi</i> pappose tarplant	PDAST4R0P2	None	None	G3T2	S2	1B.2
<i>Chloropyron molle</i> ssp. <i>hispidum</i> hispid salty bird's-beak	PDSCR0J0D1	None	None	G2T1	S1	1B.1
<i>Cicuta maculata</i> var. <i>bolanderi</i> Bolander's water-hemlock	PDAP10M051	None	None	G5T4T5	S2?	2B.1
<i>Delphinium recurvatum</i> recurved larkspur	PDRAN0B1J0	None	None	G2?	S2?	1B.2
<i>Downingia pusilla</i> dwarf downingia	PDCAM060C0	None	None	GU	S2	2B.2
<i>Eryngium jepsonii</i> Jepson's coyote-thistle	PDAP10Z130	None	None	G2	S2	1B.2
<i>Extriplex joaquinana</i> San Joaquin spearscale	PDCHE041F3	None	None	G2	S2	1B.2
<i>Fritillaria liliacea</i> fragrant fritillary	PMLIL0V0C0	None	None	G2	S2	1B.2
<i>Fritillaria pluriflora</i> adobe-lily	PMLIL0V0F0	None	None	G2G3	S2S3	1B.2
<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	G2	S2	1B.2
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i> woolly rose-mallow	PDMAL0H0R3	None	None	G5T3	S3	1B.2
<i>Isocoma arguta</i> Carquinez goldenbush	PDAST57050	None	None	G1	S1	1B.1
<i>Lasthenia conjugens</i> Contra Costa goldfields	PDAST5L040	Endangered	None	G1	S1	1B.1



Selected Elements by Scientific Name  
California Department of Fish and Wildlife  
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<b><i>Lasthenia glabrata ssp. coulteri</i></b> Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
<b><i>Lathyrus jepsonii var. jepsonii</i></b> Delta tule pea	PDFAB250D2	None	None	G5T2	S2	1B.2
<b><i>Legenere limosa</i></b> legenere	PDCAM0C010	None	None	G2	S2	1B.1
<b><i>Lepidium latipes var. heckardii</i></b> Heckard's pepper-grass	PDBRA1M0K1	None	None	G4T1	S1	1B.2
<b><i>Lilaeopsis masonii</i></b> Mason's lilaeopsis	PDAPI19030	None	Rare	G2	S2	1B.1
<b><i>Limosella australis</i></b> Delta mudwort	PDSCR10030	None	None	G4G5	S2	2B.1
<b><i>Navarretia leucocephala ssp. bakeri</i></b> Baker's navarretia	PDPLM0C0E1	None	None	G4T2	S2	1B.1
<b><i>Neostaphia colusana</i></b> Colusa grass	PMPOA4C010	Threatened	Endangered	G1	S1	1B.1
<b><i>Orcuttia inaequalis</i></b> San Joaquin Valley Orcutt grass	PMPOA4G060	Threatened	Endangered	G1	S1	1B.1
<b><i>Plagiobothrys hystriculus</i></b> bearded popcornflower	PDBOR0V0H0	None	None	G2	S2	1B.1
<b><i>Puccinellia simplex</i></b> California alkali grass	PMPOA53110	None	None	G3	S2	1B.2
<b><i>Sagittaria sanfordii</i></b> Sanford's arrowhead	PMALI040Q0	None	None	G3	S3	1B.2
<b><i>Symphotrichum lentum</i></b> Suisun Marsh aster	PDASTE8470	None	None	G2	S2	1B.2
<b><i>Trifolium amoenum</i></b> two-fork clover	PDFAB40040	Endangered	None	G1	S1	1B.1
<b><i>Trifolium hydrophilum</i></b> saline clover	PDFAB400R5	None	None	G2	S2	1B.2
<b><i>Tuctoria mucronata</i></b> Crampton's tuctoria or Solano grass	PMPOA6N020	Endangered	Endangered	G1	S1	1B.1

Record Count: 34



# Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



**Query Criteria:** Quad (Winters (3812158) OR Merritt (3812157) OR Davis (3812156) OR Allendale (3812148) OR Dixon (3812147) OR Saxon (3812146) OR Elmira (3812138) OR Dozier (3812137) OR Liberty Island (3812136)) AND Taxonomic Group (Fish OR Amphibians OR Reptiles OR Birds OR Mammals OR Mollusks OR Arachnids OR Crustaceans OR Insects)

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Threatened	G2G3	S1S2	SSC
<i>Ambystoma californiense</i> California tiger salamander	AAAAA01180	Threatened	Threatened	G2G3	S2S3	WL
<i>Ammodramus savannarum</i> grasshopper sparrow	ABPBXA0020	None	None	G5	S3	SSC
<i>Andrena blennospermatis</i> Blennosperma vernal pool andrenid bee	IIHYM35030	None	None	G2	S2	
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G5	S3	SSC
<i>Ardea alba</i> great egret	ABNGA04040	None	None	G5	S4	
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	None	G3G4	S1S2	
<i>Bombus occidentalis</i> western bumble bee	IIHYM24250	None	None	G2G3	S1	
<i>Branchinecta conservatio</i> Conservancy fairy shrimp	ICBRA03010	Endangered	None	G2	S2	
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<i>Branchinecta mesovallensis</i> midvalley fairy shrimp	ICBRA03150	None	None	G2	S2S3	
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	
<i>Charadrius alexandrinus nivosus</i> western snowy plover	ABNNB03031	Threatened	None	G3T3	S2S3	SSC
<i>Cicindela hirticollis abrupta</i> Sacramento Valley tiger beetle	IICOL02106	None	None	G5TH	SH	
<i>Circus hudsonius</i> northern harrier	ABNKC11011	None	None	G5	S3	SSC
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	IICOL48011	Threatened	None	G3T2	S2	



Selected Elements by Scientific Name  
California Department of Fish and Wildlife  
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Elaphrus viridis</i> Delta green ground beetle	IICOL36010	Threatened	None	G1	S1	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Hydrochara rickseckeri</i> Ricksecker's water scavenger beetle	IICOL5V010	None	None	G2?	S2?	
<i>Hypomesus transpacificus</i> Delta smelt	AFCHB01040	Threatened	Endangered	G1	S1	
<i>Lasionycteris noctivagans</i> silver-haired bat	AMACC02010	None	None	G5	S3S4	
<i>Lasiurus blossevillii</i> western red bat	AMACC05060	None	None	G5	S3	SSC
<i>Lasiurus cinereus</i> hoary bat	AMACC05030	None	None	G5	S4	
<i>Laterallus jamaicensis coturniculus</i> California black rail	ABNME03041	None	Threatened	G3G4T1	S1	FP
<i>Lepidurus packardii</i> vernal pool tadpole shrimp	ICBRA10010	Endangered	None	G4	S3S4	
<i>Linderiella occidentalis</i> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<i>Melospiza melodia</i> song sparrow ("Modesto" population)	ABPBXA3010	None	None	G5	S3?	SSC
<i>Myotis yumanensis</i> Yuma myotis	AMACC01020	None	None	G5	S4	
<i>Myrmosula pacifica</i> Antioch multilid wasp	IIHYM15010	None	None	GH	SH	
<i>Oncorhynchus mykiss irideus pop. 11</i> steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	G5T2Q	S2	
<i>Rana boylei</i> foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	G3	S3	SSC
<i>Spirinchus thaleichthys</i> longfin smelt	AFCHB03010	Candidate	Threatened	G5	S1	
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Thamnophis gigas</i> giant gartersnake	ARADB36150	Threatened	Threatened	G2	S2	

Record Count: 37

\*The database used to provide updates to the Online Inventory is under construction. [View updates and changes made since May 2019 here.](#)

## Plant List

40 matches found. [Click on scientific name for details](#)

### Search Criteria

Found in Quads 3812158, 3812157, 3812156, 3812148, 3812147, 3812146, 3812138 3812137 and 3812136;

[Modify Search Criteria](#) [Export to Excel](#) [Modify Columns](#) [Modify Sort](#) [Display Photos](#)

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
<a href="#">Astragalus tener var. ferrisiae</a>	Ferris' milk-vetch	Fabaceae	annual herb	Apr-May	1B.1	S1	G2T1
<a href="#">Astragalus tener var. tener</a>	alkali milk-vetch	Fabaceae	annual herb	Mar-Jun	1B.2	S1	G2T1
<a href="#">Atriplex cordulata var. cordulata</a>	heartscale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S2	G3T2
<a href="#">Atriplex depressa</a>	brittlescale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S2	G2
<a href="#">Atriplex persistens</a>	vernal pool smallscale	Chenopodiaceae	annual herb	Jun,Aug,Sep,Oct	1B.2	S2	G2
<a href="#">Centromadia parryi ssp. parryi</a>	pappose tarplant	Asteraceae	annual herb	May-Nov	1B.2	S2	G3T2
<a href="#">Centromadia parryi ssp. rudis</a>	Parry's rough tarplant	Asteraceae	annual herb	May-Oct	4.2	S3	G3T3
<a href="#">Chloropyron molle ssp. hispidum</a>	hispid bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	Jun-Sep	1B.1	S1	G2T1
<a href="#">Cicuta maculata var. bolanderi</a>	Bolander's water-hemlock	Apiaceae	perennial herb	Jul-Sep	2B.1	S2?	G5T4T5
<a href="#">Delphinium recurvatum</a>	recurved larkspur	Ranunculaceae	perennial herb	Mar-Jun	1B.2	S2?	G2?
<a href="#">Downingia pusilla</a>	dwarf downingia	Campanulaceae	annual herb	Mar-May	2B.2	S2	GU
<a href="#">Eryngium jepsonii</a>	Jepson's coyote thistle	Apiaceae	perennial herb	Apr-Aug	1B.2	S2?	G2?
<a href="#">Extriplex joaquinana</a>	San Joaquin spearscale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S2	G2
<a href="#">Fritillaria liliacea</a>	fragrant fritillary	Liliaceae	perennial bulbiferous herb	Feb-Apr	1B.2	S2	G2
<a href="#">Fritillaria pluriflora</a>	adobe-lily	Liliaceae	perennial bulbiferous herb	Feb-Apr	1B.2	S2S3	G2G3
<a href="#">Gratiola heterosepala</a>	Boggs Lake hedge-	Plantaginaceae	annual herb	Apr-Aug	1B.2	S2	G2

	hyssop						
<a href="#"><u>Hesperevax caulescens</u></a>	hogwallow starfish	Asteraceae	annual herb	Mar-Jun	4.2	S3	G3
<a href="#"><u>Hibiscus lasiocarpus var. occidentalis</u></a>	woolly rose-mallow	Malvaceae	perennial rhizomatous herb (emergent)	Jun-Sep	1B.2	S3	G5T3
<a href="#"><u>Isocoma arguta</u></a>	Carquinez goldenbush	Asteraceae	perennial shrub	Aug-Dec	1B.1	S1	G1
<a href="#"><u>Lasthenia conjugens</u></a>	Contra Costa goldfields	Asteraceae	annual herb	Mar-Jun	1B.1	S1	G1
<a href="#"><u>Lasthenia ferrisiae</u></a>	Ferris' goldfields	Asteraceae	annual herb	Feb-May	4.2	S3	G3
<a href="#"><u>Lasthenia glabrata ssp. coulteri</u></a>	Coulter's goldfields	Asteraceae	annual herb	Feb-Jun	1B.1	S2	G4T2
<a href="#"><u>Lathyrus jepsonii var. jepsonii</u></a>	Delta tule pea	Fabaceae	perennial herb	May-Jul(Aug-Sep)	1B.2	S2	G5T2
<a href="#"><u>Legenere limosa</u></a>	legenere	Campanulaceae	annual herb	Apr-Jun	1B.1	S2	G2
<a href="#"><u>Lepidium latipes var. heckardii</u></a>	Heckard's pepper-grass	Brassicaceae	annual herb	Mar-May	1B.2	S1	G4T1
<a href="#"><u>Lilaeopsis masonii</u></a>	Mason's lilaeopsis	Apiaceae	perennial rhizomatous herb	Apr-Nov	1B.1	S2	G2
<a href="#"><u>Limosella australis</u></a>	Delta mudwort	Scrophulariaceae	perennial stoloniferous herb	May-Aug	2B.1	S2	G4G5
<a href="#"><u>Malacothamnus helleri</u></a>	Heller's bush-mallow	Malvaceae	perennial deciduous shrub	May-Jul	3.3	S3	G3Q
<a href="#"><u>Myosurus minimus ssp. apus</u></a>	little mousetail	Ranunculaceae	annual herb	Mar-Jun	3.1	S2	G5T2Q
<a href="#"><u>Navarretia leucocephala ssp. bakeri</u></a>	Baker's navarretia	Polemoniaceae	annual herb	Apr-Jul	1B.1	S2	G4T2
<a href="#"><u>Neostapfia colusana</u></a>	Colusa grass	Poaceae	annual herb	May-Aug	1B.1	S1	G1
<a href="#"><u>Orcuttia inaequalis</u></a>	San Joaquin Valley Orcutt grass	Poaceae	annual herb	Apr-Sep	1B.1	S1	G1
<a href="#"><u>Perideridia gairdneri ssp. gairdneri</u></a>	Gairdner's yampah	Apiaceae	perennial herb	Jun-Oct	4.2	S3S4	G5T3T4
<a href="#"><u>Plagiobothrys hystriculus</u></a>	bearded popcornflower	Boraginaceae	annual herb	Apr-May	1B.1	S2	G2
<a href="#"><u>Puccinellia simplex</u></a>	California alkali grass	Poaceae	annual herb	Mar-May	1B.2	S2	G3
<a href="#"><u>Sagittaria sanfordii</u></a>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	May-Oct(Nov)	1B.2	S3	G3
<a href="#"><u>Symphyotrichum lentum</u></a>	Suisun Marsh aster	Asteraceae	perennial rhizomatous herb	(Apr)May-Nov	1B.2	S2	G2
<a href="#"><u>Trifolium amoenum</u></a>	two-fork clover	Fabaceae	annual herb	Apr-Jun	1B.1	S1	G1
<a href="#"><u>Trifolium hydrophilum</u></a>	saline clover	Fabaceae	annual herb	Apr-Jun	1B.2	S2	G2
<a href="#"><u>Tuctoria mucronata</u></a>	Crampton's tuctoria or Solano grass	Poaceae	annual herb	Apr-Aug	1B.1	S1	G1

### Suggested Citation

California Native Plant Society, Rare Plant Program. 2019. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 24 July 2019].



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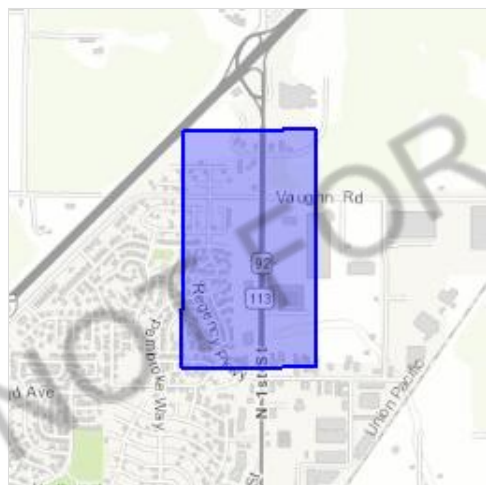
# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

## Location

Solano County, California



## Local office

Sacramento Fish And Wildlife Office

☎ (916) 414-6600

📅 (916) 414-6713

Federal Building  
2800 Cottage Way, Room W-2605  
Sacramento, CA 95825-1846

# Endangered species

**This resource list is for informational purposes only and does not constitute an analysis of project level impacts.**

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species<sup>1</sup> and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

## Reptiles

NAME

STATUS

Giant Garter Snake *Thamnophis gigas* Threatened  
 No critical habitat has been designated for this species.  
<https://ecos.fws.gov/ecp/species/4482>

## Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/2891">https://ecos.fws.gov/ecp/species/2891</a>	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/2076">https://ecos.fws.gov/ecp/species/2076</a>	Threatened

## Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/321">https://ecos.fws.gov/ecp/species/321</a>	Threatened

## Insects

NAME	STATUS
Valley Elderberry Longhorn Beetle <i>Desmocerus californicus dimorphus</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/7850">https://ecos.fws.gov/ecp/species/7850</a>	Threatened

## Crustaceans

NAME	STATUS
Conservancy Fairy Shrimp <i>Branchinecta conservatio</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/8246">https://ecos.fws.gov/ecp/species/8246</a>	Endangered
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/498">https://ecos.fws.gov/ecp/species/498</a>	Threatened

## Vernal Pool Tadpole Shrimp *Lepidurus packardii*

Endangered

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/2246>

## Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

#### Burrowing Owl *Athene cunicularia*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/9737>

Breeds Mar 15 to Aug 31

#### California Thrasher *Toxostoma redivivum*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds Jan 1 to Jul 31

#### Golden Eagle *Aquila chrysaetos*

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1680>

Breeds Jan 1 to Aug 31

#### Long-billed Curlew *Numenius americanus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/5511>

Breeds elsewhere

#### Nuttall's Woodpecker *Picoides nuttallii*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/9410>

Breeds Apr 1 to Jul 20

#### Rufous Hummingbird *selasphorus rufus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/8002>

Breeds elsewhere

**Song Sparrow** *Melospiza melodia*

Breeds Feb 20 to Sep 5

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

**Tricolored Blackbird** *Agelaius tricolor*

Breeds Mar 15 to Aug 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/3910>

**Whimbrel** *Numenius phaeopus*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9483>

**Yellow-billed Magpie** *Pica nuttalli*

Breeds Apr 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9726>

## Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of

presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

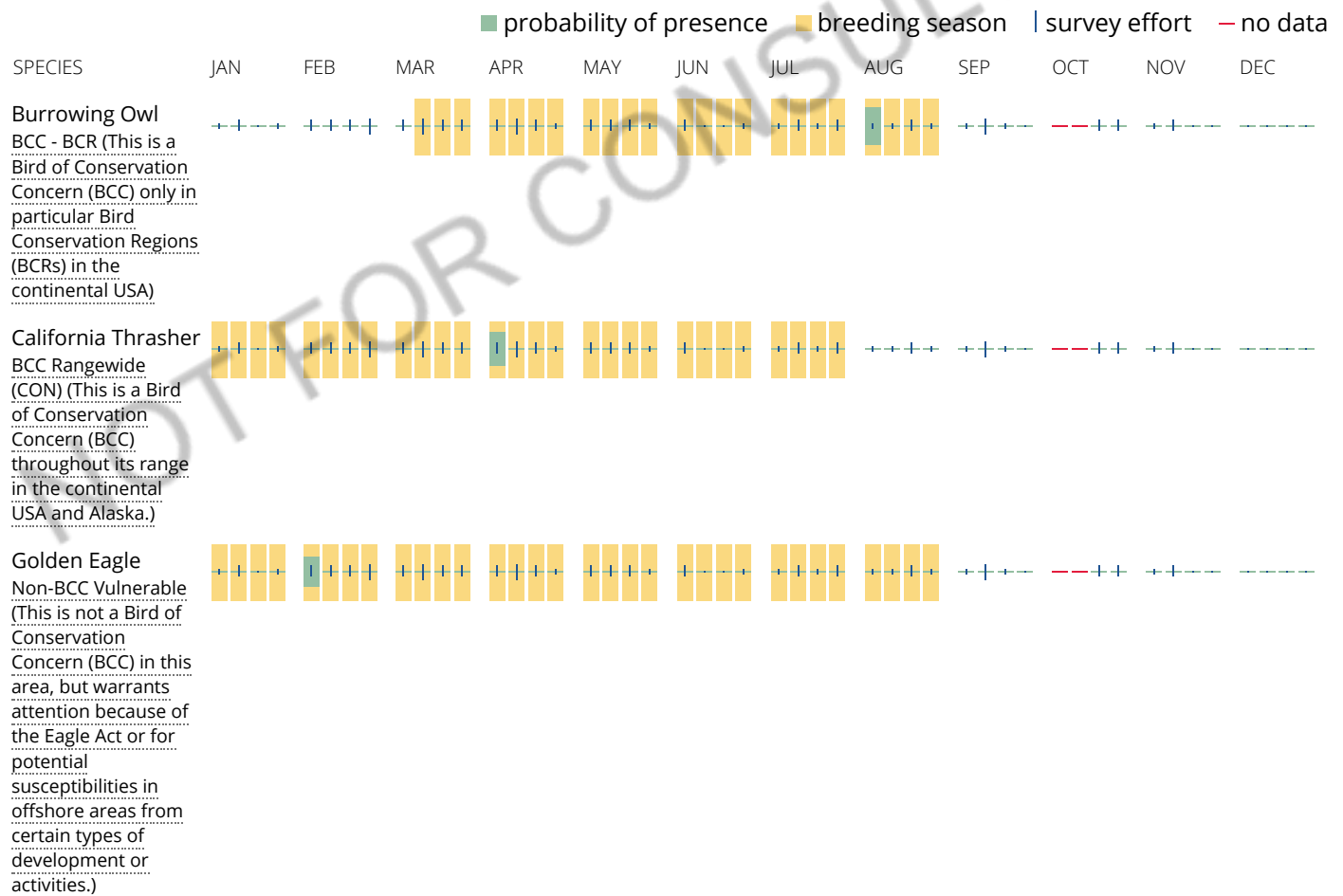
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

### No Data (-)

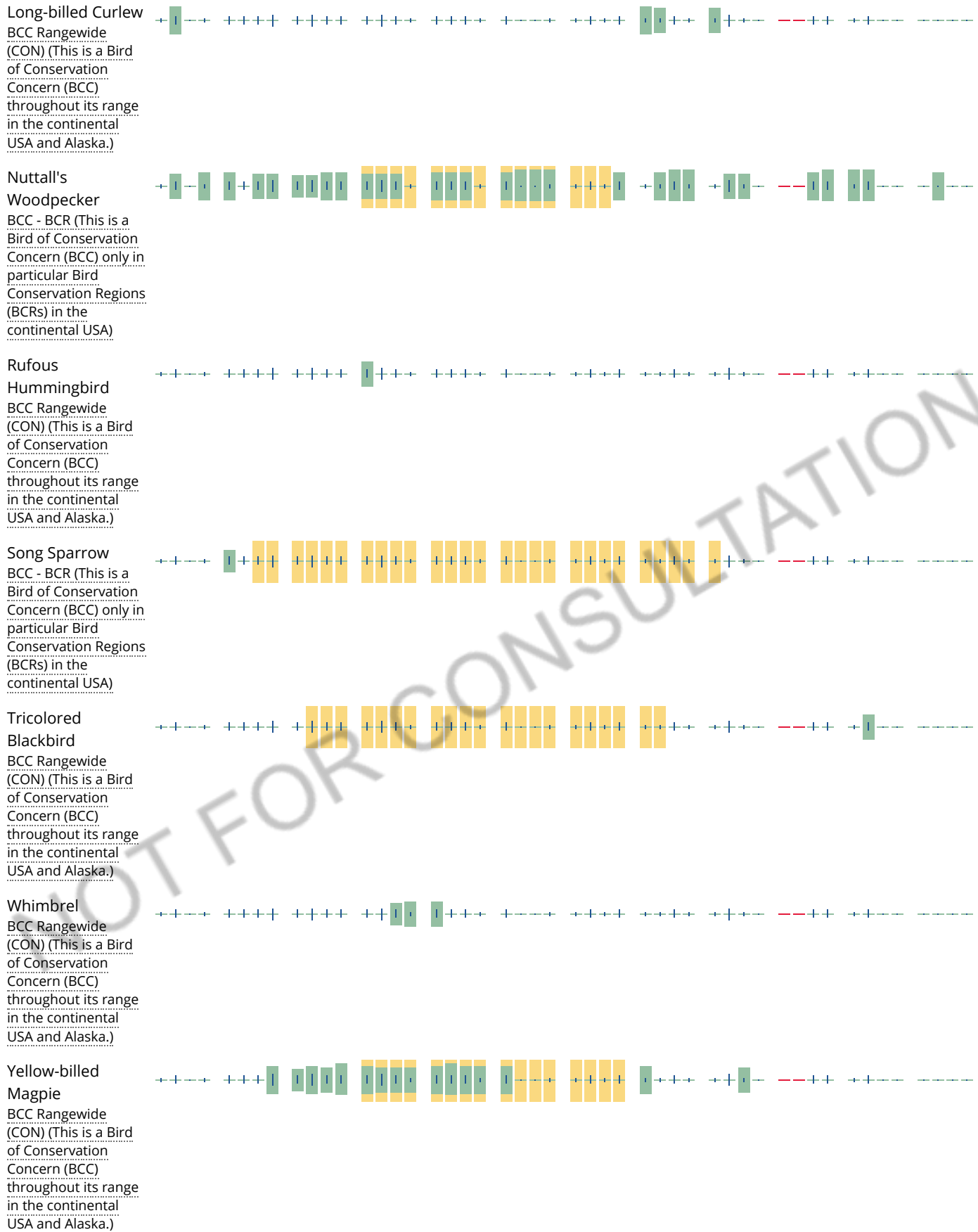
A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.







Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

### What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

### What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

## Facilities

### National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

## Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

## Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER FORESTED/SHRUB WETLAND

[PFOA](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

### Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

### Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

**Data precautions**

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

## **Appendix C**

Arborist Report, Lincoln Square Project, Dixon, California



**TREE**  
ASSOCIATES

June 20, 2021

Nick Pappani  
Vice President  
Raney Planning and Management, Inc.  
1501 Sports Drive, Suite A  
Sacramento, CA 95834

RE: Arborist Report, Lincoln Square

Nick,

Attached is the Arborist Report you requested. I appreciate the opportunity to work with you. Please do not hesitate to contact me should you have questions regarding this report.

Sincerely,

John M. Lichter, M.S.  
ASCA Registered Consulting Arborist #375  
ISA Certified Arborist #863  
ISA Qualified Tree Risk Assessor  
ASCA Qualified Tree and Plant Appraiser





**ARBORIST REPORT  
LINCOLN SQUARE PROJECT  
DIXON, CALIFORNIA**

**Prepared for  
RANEY PLANNING AND MANAGEMENT, INC.  
SACRAMENTO, CALIFORNIA**

**Prepared by  
TREE ASSOCIATES  
John M. Lichter, M.S.  
ASCA Registered Consulting Arborist #375  
ISA Certified Arborist #863  
ISA Qualified Tree Risk Assessor  
ASCA Qualified Tree and Plant Appraiser**

**June 20, 2021**



## Assignment

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Nick Pappani, Vice President of Raney Planning and Management Inc. of Sacramento requested that Tree Associates Inc. prepare an Arborist Report concerning trees with diameters equal to or exceeding six inches located on a vacant property bounded by Vaughn Road and (Lincoln) Highway 113 (Figure 1). This Arborist Report includes a tree evaluation and general preservation guidelines for these trees.

## Limits of the Assignment

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- This evaluation reports on the condition of the subject trees at the time of my site visit. Tree conditions change over time and, as they change, this report may need to be revised.
- This evaluation was based on a visual inspection from the ground.
- The results of the evaluations for trees for which more detailed examination and/or testing and is recommended (including aerial inspection, decay mapping and/or root examination) are provisional, pending the outcome of these studies.

## Tree Evaluation

---

On June 15, 2021, I identified, tagged in the field, measured and evaluated all trees with a diameter of 6 inches or larger on site. For each of these trees, the following data were collected.

- Tree # – corresponds to a round aluminum tag affixed to each protected tree (I used tags 501 to 532). Note that I lost tag 512 so there is no tree on the map or in the table with that number.
- Species – common and scientific name of the tree.
- Trunk Diameter (Dia.) – the diameter of the tree (in inches) at 4.5' above grade, unless measurement at another location between 1 and 5 feet above grade provided a more accurate reflection of the size of the tree.
- Maximum Dripline Radius (Max Drip.) – the approximate maximum distance from the trunk to the edge of the tree's canopy, in feet.
- Tree Protection Zone (TPZ) – the radius, in feet, of a circular tree protection zone (centered at the trunk) recommended by the author (typically one foot per inch trunk diameter). For trees with more than one trunk, I first determined the sum of the diameter (in inches) of the largest stem and half of the diameter of the smaller stems. Then I used one foot per inch of this sum as the TPZ.
- Comments – comments regarding tree and landscape features that influenced health and structural ratings.
- Health – rating between poor and good considering the overall health of the tree. A rating of fair-good or good indicates no significant health concerns.
- Structure – rating between poor and good considering the overall structure of the tree. A rating of fair-good or good indicates no significant structural concerns.
- Recommendations – recommendations for tree work or treatments to improve tree structure or health or for further evaluation, where necessary. Note: removal recommendations are indicated in red.



## Summary of Tree Evaluation

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Exhibit 1, entitled "Tree Evaluation Data" summarizes the results of the tree evaluation. The approximate locations of the trees can be found attached on a copy of a topographic survey of the property (Figure 1 and attached).

### *Project and Tree Location, Number of Trees, Species Makeup, Size:*

The project site was a vacant lot bounded by Vaughn Road to the north and Highway 113 to the east. Residences and businesses border the property on its west and south sides, respectively.

There were 31 trees with trunk diameters of six inches or greater located in a row along the western edge of the property (Figures 2,3). Other than five volunteer trees, the trees had been planted on site.

The planted trees were relatively young (I estimated between 20-25 years old) London plane (*Platanus X acerifolia*) and coast redwood (*Sequoia sempervirens*). Their trunk diameters ranged from 8 to 19 inches. The volunteer trees were three almond (*Prunus dulcis*), one coast live oak (*Quercus agrifolia*) and one Chinese pistache (*Pistacia chinensis*). I estimated that these trees were less than 12 years old.

Pyracantha (a shrub) had been along with the trees and it was now a dense, nearly impenetrable thicket extending. In some cases its growth extended  $\frac{3}{4}$  of the way up the tree trunks. In several locations I had to cut my way through it to get to the tree trunks (Figure 4).

While it appears that the trees were once irrigated (I saw broken irrigation pipes and sprinklers), the trees were not currently irrigated and had not been for an unknown amount of time.





Figure 1. Topographic Plan/Aerial View of project site. Larger size map is attached.



Figure 2. Looking west-northwestward at a portion of the subject trees in the southern portion of the landscaped edge of the lot. The residences are located behind the trees.



**Figure 3. Looking westward at a portion of the subject trees with Vaughn Road visible on the right.**



**Figure 4. Example of pyracantha growth under one of the trees. I cut a tunnel through it to get to the tree's trunk.**

**Tree Health:**

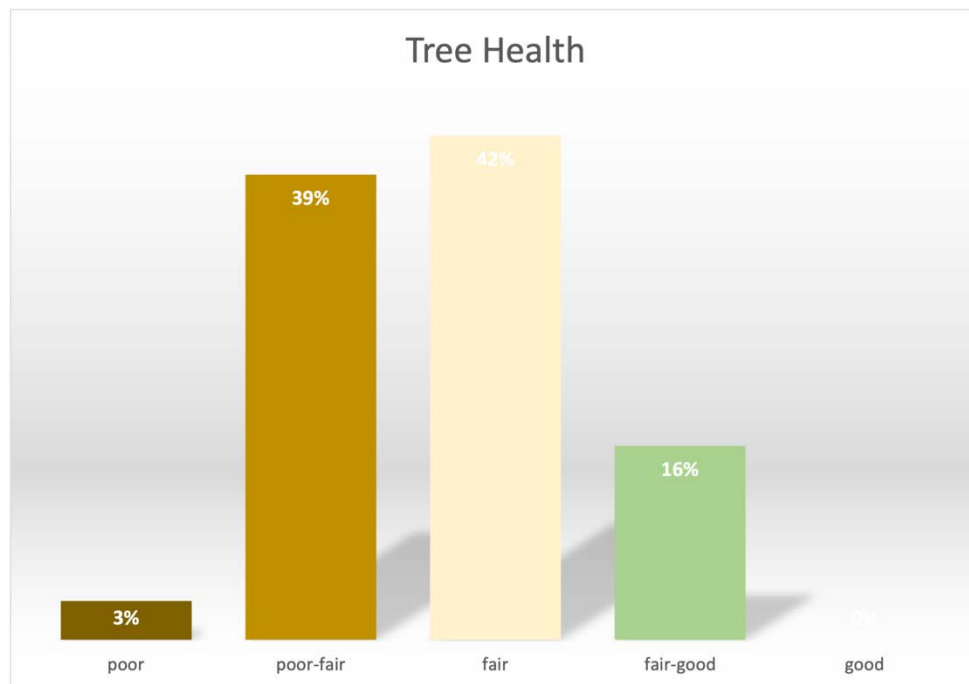
Sixteen percent (5) of the trees were in fair-good health with no significant health concerns. Forty-two percent (13) of the trees were in fair condition and 42 percent (13) of the trees were in poor or poor-fair health (Figure 5).

All of the trees were suffering from drought stress. Due to their current condition and the severe drought this year, the trees' health will decline further (and trees will die) unless they are irrigated very soon. Even if the trees are irrigated right away, the health of the trees should be re-evaluated over the summer for the trees which are to be preserved.

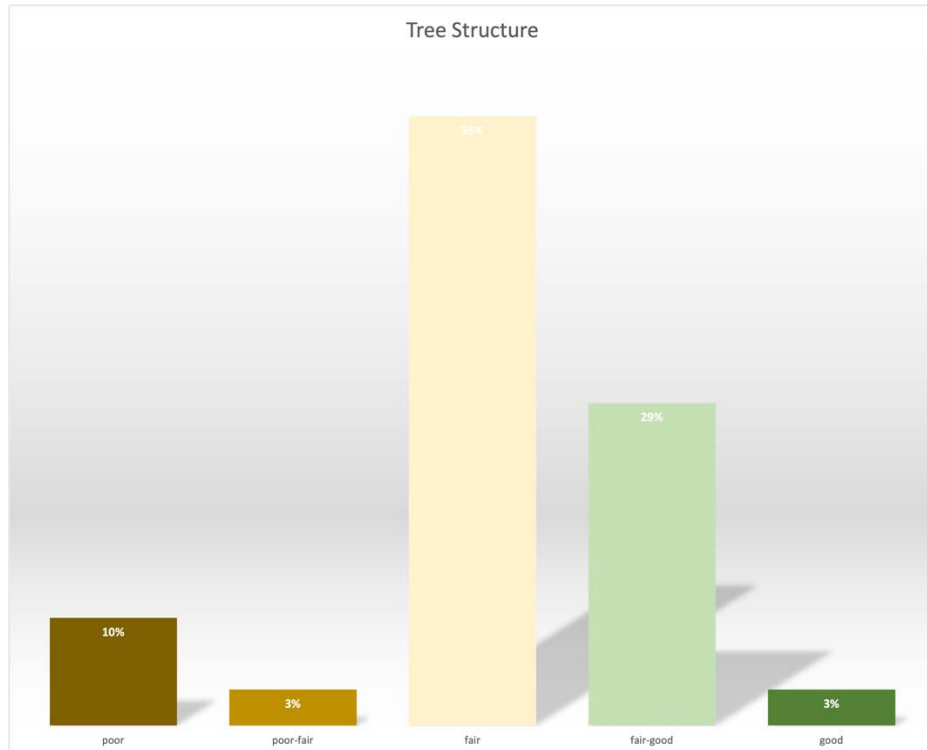
In several cases, pyracantha had grown over the branches of the trees. The shade cast by their foliage may have killed some of the branches (or portions of them) and the pyracantha should either be removed or cut back to clear the tree canopies.

**Tree Structure**

Ten of the trees (32% of the total) had fair-good or good structure. Seventeen of the trees (55% of the total) had fair structure. The remaining thirteen percent (or 4) of the trees had poor-fair or poor structure (Figure 6).



**Figure 5. Tree health ratings.**



**Figure 6. Structural ratings of trees.**

*Removal Recommendations, Recommendations to Improve Tree Condition*

I recommend the following.

- Remove the four trees (13% of the total) as recommended in Exhibit 1 due to their poor health and/or structure and the lack of effective treatments to improve their condition.
- Cut the pyracantha and oleander back so that it does not shade the trees and to enable repairing the irrigation system.
- Repair or replaced the irrigation system so that it is capable of uniformly wetting the soil under the canopies of the trees.
- Irrigate the trees (between late spring through early fall) once per week, wetting the soil to at least 18 inches deep.
- Evaluate the health of the trees just before the irrigation system is installed and monitor the trees' health throughout the summer and fall.
- Follow specific recommendations in Exhibit 1.

## Tree Preservation Guidelines

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Following the guidelines presented below for all trees to be preserved will reduce tree impacts from the proposed construction.

- Tree preservation measures should be indicated on construction plans.
- Indicate surveyed trunk locations and tree protection zones (TPZ's) as described in the attached table on all construction plans for trees to be preserved. Note, where infrastructure is located within protection zones, indicate modified tree protection zones (MTPZ's) and fencing as close to infrastructure as possible (minimize overbuild).
- Engage the Consulting Arborist to prepare a tree impact assessment after construction plans are drafted. The tree impact assessment should be revised as construction plans are modified.
- Conduct a meeting with the project manager and design team to review the tree impact assessment and discuss design modifications to mitigate potential development impacts to trees where possible.
- Conduct a meeting to discuss tree preservation guidelines with the Consulting Arborist and all contractors, subcontractors and project managers prior to the initiation of demolition and construction.
- Any pruning required for construction or recommended in this report should be performed by an ISA Certified Arborist or Tree Worker. Pruning for necessary clearance should be the minimum required for the project performed prior to demolition by an ISA Certified Arborist.
- Prior to any grubbing, demolition or construction activity, identify (tagged) trees to be preserved and install tree protection fencing as indicated on the construction plans.
- Tree protection fences should be made of chain link with posts either sunk into the ground or placed within concrete blocks. Install two signs per tree on fences that indicate that the fences are not to be moved until construction is complete except under Arborist supervision.
- Avoid grading, compaction, trenching, rototilling, vehicle traffic, material storage, spoil, waste or washout or any other disturbance within TPZ's/MTPZ's.
- Any work that is to occur within the protection zones of the trees should be monitored by the Consulting Arborist.
- Prior to trenching or grading within the protection zone of trees, carefully excavate, expose and mark roots  $\geq 2$ " diameter and preserve if possible or cut cleanly with a sharp saw under Arborist supervision.
- If roots  $\geq 2$  inches or limbs larger than 3 inches in diameter are cut or damaged during construction, contact Consulting Arborist as soon as possible to inspect and recommend appropriate remedial treatments.
- All trees to be preserved should be irrigated once every week during non-Winter months to uniformly wet the soil to a depth of at least 18 inches under and beyond their canopies.





## **Arborist Disclosure Statement**

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The following statement pertains to my work and this report.

Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the Arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the Arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the Arborist. An Arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.



## Glossary<sup>1</sup>

---

*Bow* – the gradual curve of a branch or stem.

*Callus* – growth resulting from and found at the margin of wounds.

*Canker* – a localized area of dead tissue on a stem or branch, caused by fungal or bacterial organisms.

*Central Leader* – the main stem of the tree.

*Chlorotic* – yellow.

*Codominant* – equal in size and relative importance.

*Crown* – parts of the tree above the trunk.

*Crown Clean* – the removal of dead, dying, diseased, broken, and weakly attached branches and watersprouts from a tree's crown.

*Decay* – process of degradation of woody tissues by fungi and bacteria.

*Dieback* – death of shoots and branches, generally from tip to base.

*Dropcrotch* – the process of shortening trunks or limbs by pruning back to dominant lateral limbs.

*End Weight* – the concentration of foliage at the distal ends of branches.

*Epicormic* – shoots which result from adventitious or latent buds; often indicates poor vigor.

*Included bark* – pattern of development at branch junctions where bark is turned inward rather than pushed out.

*Primary limb* – limb attached directly to the trunk.

*Reduction cut* – shortening the length of a branch or stem by cutting it back to a lateral branch of at least one-third the diameter of the cut stem.

*Root crown* – area at the base of a tree where the roots and stem merge.

*Secondary limb* – limb attached directly to a primary limb.

*Sound wood* – undecayed wood.

*Suppressed* – trees which have been overtopped and whose crown development is restricted from above.

*Target* – people or property potentially affected by tree failure.

*Topped* – Pruned to reduce height by cutting large branches back to stubs.

*Train* – to prune a young tree to establish a strong structure.

*Vigor* – overall health.

*Watersprouts* – vigorous, upright, epicormic shoots that grow from latent buds in older wood.

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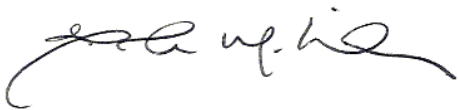
<sup>1</sup> Definitions from author or Matheny and Clark, Evaluation of Hazard Trees in Urban Areas, 2<sup>nd</sup> Edition c 1994, ISA.

## Certification of Performance

---

I, John M. Lichter, certify:

- That I have personally inspected the tree(s) and/or the property referred to in this report, and have stated my findings accurately. The extent of the evaluation and/or appraisal is stated in the attached report and the Terms and Conditions;
- That I have no current or prospective interest in the vegetation or the property that is the subject of this report, and I have no personal interest or bias with respect to the parties involved;
- That the analysis, opinions and conclusions stated herein are my own, and are based on current scientific procedures and facts;
- That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party, nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events;
- That my analysis, opinions, and conclusions were developed and this report has been prepared according to commonly accepted Arboricultural practices;
- That no one provided significant professional assistance to the consultant, except as indicated within the report.



John M. Lichter, M.S.  
ASCA Registered Consulting Arborist #375  
ISA Certified Arborist #863  
ISA Qualified Tree Risk Assessor  
ASCA Qualified Tree and Plant Appraiser



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**ASSUMPTIONS AND LIMITING CONDITIONS: TREE ASSOCIATES, INC.**

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1. Any legal description provided to the consultant/appraiser is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as though free and clear, under responsible ownership and competent management.
2. It is assumed that any property is not in violation of any applicable codes, ordinances, statutes or other governmental regulations.
3. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant/appraiser can neither guarantee nor be responsible for the accuracy of information provided by others.
4. The consultant/appraiser shall not be required to give testimony or to attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract of engagement.
5. Unless required by law otherwise, possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant/appraiser.
6. Unless required by law otherwise, neither all nor any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales or other media, without the prior expressed written or verbal consent of the consultant/appraiser - particularly as to value conclusions, identity of the consultant/appraiser, or any reference to any professional society or institute or to any initialed designation conferred upon the consultant/appraiser as stated in his qualifications.
7. This report and any values expressed herein represent the opinion of the consultant/appraiser, and the consultant's/appraiser's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.
8. Sketches, drawings, and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise. The reproduction of any information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is for the express purpose of coordination and ease of reference only. Inclusion of said information on any drawings or other documents does not constitute a representation by John M. Lichter or TREE ASSOCIATES as to the sufficiency or accuracy of said information.
9. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.
10. Loss or alteration of any part of this report invalidates the entire report.



Exhibit 1.

Tree Evaluation Data

To Accompany  
6/20/21 Tree Associates Report

Tree #	Species	Dia. (in.)	Max. Drip (ft.)	TPZ (ft.)	Comments	Health	Structure	Recommendations
501	London plane ( <i>Platanus X acerifolia</i> )	8	14	8	anthracnose; sycamore scale; low vigor; drought stress symptoms; limbs cut to stubs on north side	poor-fair	fair-good	irrigate.
502	London plane ( <i>Platanus X acerifolia</i> )	9	14	9	anthracnose; sycamore scale; low vigor; drought stress symptoms; limbs cut to stubs on north side	poor-fair	fair	irrigate.
503	coast redwood ( <i>Sequoia sempervirens</i> )	18	14	18	low vigor; drought stress symptoms	fair	good	irrigate.
504	almond ( <i>Prunus dulcis</i> )	4,4	12	6	codominant trunks with included bark; unbalanced crown	fair-good	poor	remove tree. poor suitability for preservation due to poor structure
505	almond ( <i>Prunus dulcis</i> )	5,4,4	14	11	codominant trunks with included bark	fair-good	poor	remove tree. poor suitability for preservation due to poor structure
506	coast redwood ( <i>Sequoia sempervirens</i> )	17	14	17	top dead; limb dieback; redwood canker symptoms	poor	poor	remove tree. irreversible decline in health.
507	coast live oak ( <i>Quercus agrifolia</i> )	7	8	7	lower limbs removed by homeowner	fair-good	fair	select leader, drop crotch competing trunks or primary limbs. irrigate.
508	coast redwood ( <i>Sequoia sempervirens</i> )	19	14	19	redwood canker symptoms; codominant trunks near top	fair	fair-good	remove one leader. crown clean. irrigate.
509	London plane ( <i>Platanus X acerifolia</i> )	13	20	13	multiple trunks near top of tree; low vigor; anthracnose; sycamore scale	fair	fair	select leader, drop crotch competing trunks or primary limbs. irrigate.

Exhibit 1.

Tree Evaluation Data

To Accompany  
6/20/21 Tree Associates Report

Tree #	Species	Dia. (in.)	Max. Drip (ft.)	TPZ (ft.)	Comments	Health	Structure	Recommendations
510	London plane (Platanus X acerifolia)	12	20	12	codominant trunks; anthracnose; sycamore scale; slightly overextended primary limbs	fair	fair	select leader, drop crotch competing trunks or primary limbs. use reduction cuts to remove 20% of the foliage of all primary limbs > 1/3 trunk diameter at their attachment. irrigate.
511	London plane (Platanus X acerifolia)	12	24	12	codominant trunks; sparse canopy; anthracnose; sycamore scale	poor-fair	fair-good	select leader, drop crotch competing trunks or primary limbs. irrigate.
513 *	London plane (Platanus X acerifolia)	9	16	9	low vigor; sparse canopy; pyracantha 1/2 way up trunk	fair	fair	remove pyracantha. irrigate.
514	London plane (Platanus X acerifolia)	12	20	12	low vigor; sparse canopy; drought stress symptoms; anthracnose; sycamore scale; pyracantha 2/3 way up trunk	fair	fair	remove pyracantha. irrigate.
515	London plane (Platanus X acerifolia)	12	20	12	anthracnose; sparse canopy; sycamore scale; drought stress symptoms	poor-fair	fair-good	irrigate.
516	London plane (Platanus X acerifolia)	9	15	9	anthracnose; sparse canopy; sycamore scale; drought stress symptoms	poor-fair	fair-good	irrigate.
517	London plane (Platanus X acerifolia)	11	20	11	sparse canopy; low vigor; anthracnose; sycamore scale; drought stress symptoms	poor-fair	fair	irrigate.
518	London plane (Platanus X acerifolia)	10	19	10	low vigor; sparse canopy; anthracnose; sycamore scale; drought stress symptoms	poor-fair	poor-fair	irrigate.

Exhibit 1.

Tree Evaluation Data

To Accompany  
6/20/21 Tree Associates Report

Tree #	Species	Dia. (in.)	Max. Drip (ft.)	TPZ (ft.)	Comments	Health	Structure	Recommendations
519	London plane (Platanus X acerifolia)	11	16	11	codominant trunks; sparse canopy; low vigor; drought stress symptoms; anthracnose; sycamore scale; pyracantha 2/3 way up trunk	fair	fair	remove pyracantha. irrigate.
520	London plane (Platanus X acerifolia)	11	17	11	sparse canopy; anthracnose; sycamore scale; drought stress symptoms	poor-fair	fair	irrigate.
521	London plane (Platanus X acerifolia)	9	17	9	codominant trunks; anthracnose; sparse canopy; drought stress symptoms; pear tree volunteer at base	poor-fair	fair	remove pear tree. irrigate.
522	London plane (Platanus X acerifolia)	10	15	10	codominant trunks; anthracnose; low vigor; drought stress symptoms; sparse canopy; sycamore scale	poor-fair	fair	irrigate.
523	London plane (Platanus X acerifolia)	13	19	13	codominant trunks; Boston ivy growing up trunk; pistache volunteer tree under canopy; drought stress symptoms; sparse canopy; anthracnose; sycamore scale	fair	fair	remove Boston ivy and Chinese pistache. select leader, drop crotch competing trunks or primary limbs. irrigate.
524	London plane (Platanus X acerifolia)	13	22	13	leader partially outgrown by lateral limbs; anthracnose; drought stress symptoms; low vigor; sparse canopy; sycamore scale; pyracantha 3/4 way up trunk	fair	fair	remove pyracantha. irrigate.
525	coast redwood (Sequoia sempervirens)	13	12	13	drought stress symptoms; wilted; redwood canker symptoms;	poor-fair	fair-good	remove tree. irreversible decline in health.
526	almond (Prunus dulcis)	6,3,1	10	10	codominant trunks with included bark	fair-good	fair	select leader, drop crotch competing trunks or primary limbs. irrigate.

Exhibit 1.

Tree Evaluation Data

To Accompany  
6/20/21 Tree Associates Report

Tree #	Species	Dia. (in.)	Max. Drip (ft.)	TPZ (ft.)	Comments	Health	Structure	Recommendations
527	London plane (Platanus X acerifolia)	9	18	9	codominant trunks; anthracnose; drought stress symptoms; low vigor; sycamore scale; sparse canopy	poor-fair	fair	irrigate.
528	London plane (Platanus X acerifolia)	9	16	9	anthracnose; drought stress symptoms; low vigor; sparse canopy; sycamore scale	fair	fair-good	irrigate.
529	London plane (Platanus X acerifolia)	12	21	12	anthracnose; drought stress symptoms; low vigor; sparse canopy; sycamore scale	fair	fair	irrigate.
530	London plane (Platanus X acerifolia)	11	16	11	anthracnose; drought stress symptoms; low vigor; sparse canopy; sycamore scale	fair	fair-good	irrigate.
531	London plane (Platanus X acerifolia)	10	19	10	anthracnose; drought stress symptoms; low vigor; sparse canopy; sycamore scale	fair	fair-good	irrigate.
532	Chinese pistache ( <i>Pistacia chinensis</i> )	6,3	16	8	volunteer tree; trunk bowed; slightly low vigor; limb attachments with included bark; growing up through pyracantha	fair-good	fair	remove pyracantha. select leader, drop crotch competing trunks or primary limbs. remove lowest primary limb with included bark. irrigate.





**Lincoln Square Tree Location Map**  
**To Accompany Tree Associates Inc. Arborist Report**

NO INGRESS OR  
EGRESS RIGHTS TO THE  
CITY OF DIXON

LINCOLN HIGHWAY (113)

VAUGHN ROAD

## **Appendix D**

Cultural Resources Study for the Lincoln Square Project, Dixon, Solano  
County, California

[CONFIDENTIAL]

## **Appendix E**

Preliminary Geotechnical Report: Duffel 13 Dixon Property, Dixon,  
California



**DUFFEL 13 DIXON PROPERTY**  
DIXON, CALIFORNIA

**PRELIMINARY GEOTECHNICAL REPORT**

**SUBMITTED TO**  
Mr. Jeb Elmore  
VP Acquisitions  
Lewis Management Corporation  
9216 Kiefer Boulevard, Suite 4  
Sacramento, CA 95826

**PREPARED BY**  
ENGEO Incorporated

July 24, 2019

**PROJECT NO.**  
16329.000.000

Project No.  
**16329.000.000**

July 24, 2019

Mr. Jeb Elmore  
VP Acquisitions  
Lewis Management Corporation  
9216 Kiefer Boulevard, Suite 4  
Sacramento, CA 95826

Subject: Duffel 13 Dixon Property  
Vaughn Road and Hwy. 113  
Dixon, California

## PRELIMINARY GEOTECHNICAL REPORT

Dear Mr. Elmore:

ENGEO prepared this preliminary geotechnical report for Lewis Management Corporation as outlined in our agreement dated June 28, 2019. We characterized the subsurface conditions at the site to provide the enclosed preliminary geotechnical recommendations for earthwork, expansive soil mitigation measures, and foundation recommendations.

From a geotechnical standpoint, the site is suitable for the planned development provided the conclusions and preliminary recommendations presented in this report are incorporated into the preliminary design. We recommend a design-level study be performed to sufficiently assess site undocumented fill and expansive soils, and to provide design-level site improvement recommendations.

If you have any questions or comments regarding this report, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated



Stephen Blakely  
sb/jb/jf



Jonathan Boland, GE



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**APPENDIX A** – Exploration Logs

**APPENDIX B** – Laboratory Test Data

## 1.0 INTRODUCTION

### 1.1 PURPOSE AND SCOPE

We prepared this preliminary geotechnical report for design of Duffel 13 Dixon Property in Dixon, California, as outlined in our agreement dated June 28, 2019. Mr. Rob White authorized us to conduct the following scope of services:

- Service plan development
- Subsurface field exploration
- Soil laboratory testing
- Data analysis and conclusions
- Preliminary report preparation

For our use, we received a site plan prepared by Wood Rodgers, dated June 26, 2019, delivered electronically via email. We also received a Preliminary Title Report – Update “C,” prepared by Chicago Title Company, dated March 16, 2019, also delivered electronically via email.

This report was prepared for the exclusive use of our client and their consultants for preliminary design of this project. In the event that any changes are made in the character, design, or layout of the development, we must be contacted to review the conclusions and recommendations contained in this report to evaluate whether modifications are recommended. This document may not be reproduced in whole or in part by any means whatsoever, nor may it be quoted or excerpted without our express written consent.

### 1.2 PROJECT LOCATION AND DESCRIPTION

As shown on Figure 1, the approximately 13-acre site is located south of Vaughn Road / North Lincoln Street and west of North 1<sup>st</sup> Street / State Route 113 in Dixon, California. Access to the site is provided from a paved parking area at the southern boundary of the site. The site boundaries and our exploratory locations are shown in Figure 2. The site is bound by Vaughn Road / North Lincoln Street to the north, North 1<sup>st</sup> Street / State Route 113 to the east, a commercial development to the south, and a residential development to the west.

Based on our discussions with you, we understand site development will include both residential and commercial/retail improvements. The commercial/retail component will be located on the northeastern portion of the site and will be approximately 2 acres in size. We understand the residential development will occupy a majority of the remaining 11 acres, and may include 88 single-family houses with associated paved roadways. An access easement and a ½-acre water quality basin will be located in the southeastern portion of the site.

While no specific development details are available, we understand that the commercial/retail component will likely consist of one- or two-story retail buildings with associated parking lots, drive aisles, utilities, and landscaping. The residential component will likely consist of one- to two-story single-family, wood-frame houses with associated streets, underground utilities, and landscaping.

## 2.0 FINDINGS

### 2.1 SITE BACKGROUND

We reviewed topographic maps of the site dating back to 1908 and aerial photographs dating back to 1968. Based on our review of select maps and photos, the site appears to have been mostly undeveloped agricultural land as far back as 1908. In a 1968 aerial photograph, an area of apparent ground disturbance was located near the northeastern corner of the site. No additional information was provided regarding previous grading or improvements onsite.

Below, we summarize our observations based on the historic topographic maps and aerial photographs we reviewed.

#### Topographic Maps (USGS)

- 1908 through 1981 Maps – The property appears to be undeveloped land. An east-west aligned road is mapped at the northern site boundary, and a north-south aligned road is mapped at the eastern site boundary. An unnamed watercourse to the south and southwest of the property is mapped in a roughly northwesterly orientation.
- 2012 through 2015 Maps – The unnamed watercourse is no longer mapped south or southwest of the property. Local streets indicative of residential development are mapped west of the property.

#### Aerial Photographs

- 1968 Photograph – The property appears to be undeveloped land. Trees line the streets on the northern and eastern boundaries of the property. An area of ground disturbance is present on the northeast corner of the property.
- 1993 Photograph – The trees lining the streets and the disturbed area in the northeast are no longer present. It appears the property is in use for agriculture.
- 2005 through 2014 Photographs – The streets north and east of the site appear to have been improved. A residential development is located to the west of the property. Commercial / retail developments appear north, south, and east of the site. The site itself appears disced.

### 2.2 FIELD EXPLORATION

We observed excavation of seven test pits at the locations shown on the Site Plan, Figure 2, on July 3, 2019. An ENGEO representative observed the test pit excavations and logged the subsurface conditions at each location. We retained a tractor-mounted Case 850N EP backhoe and operator to excavate the test pits using a 2-foot-wide bucket and logged the type, location, and uniformity of the underlying soil. The maximum depth penetrated by the test pits was 12½ feet. We backfilled the test pits loosely with site soils. The location and elevations of our explorations are approximate and were estimated using handheld GPS; they should be considered accurate only to the degree implied by the method used.

We obtained bulk soil samples from the test pits using hand-sampling techniques. The test pit logs present descriptions and graphically depict the subsurface conditions encountered.



We used the field logs to develop the report logs in Appendix A. The logs depict subsurface conditions at the exploration locations for the date of exploration; however, subsurface conditions may vary with time.

## 2.3 GEOLOGY AND SEISMICITY

### 2.3.1 Geology

The site is located in the Great Valley Geomorphic Province. The Great Valley is an elongate, northwest-trending structural trough bound by the Coast Ranges on the west and the Sierra Nevada on the east. The Great Valley has been and is presently being filled with sediments primarily derived from surrounding mountain ranges.

As shown in Figure 3, the site is underlain by Quaternary alluvium. Graymer et al. (2002) mapped the site as either Holocene alluvial fan deposits (Qhf) or natural levee deposits (Qhl). The detailed surficial mapping of Helley and Harwood (1985) indicates the entire site is underlain by Quaternary alluvium, with lower Modesto Formation (Qml) occurring to the west, and Quaternary basin deposits (Qb) to the east of the site. Holocene-age alluvium typically consists of unweathered gravel, sand, and silt. The Pleistocene-age lower Modesto Formation, which could be encountered in deeper excavations, typically consists of slightly weathered gravel, sand, silt, and clay.

### 2.3.2 Seismicity

The site is not located within a currently designated Alquist-Priolo Earthquake Fault Zone and no known surface expression of active faults is believed to exist within the site. The site does lie within a seismically active region and there are numerous faults in the area that are considered active. The following table summarizes the distances to mapped, active regional faults and estimated magnitudes with approximately 50 miles. We used the USGS Spatial Query tool that is based on USGS 2008 National Seismic Hazard Maps used to develop the 2016 California Building Code (CBC) seismic parameters. Refer to Figure 4 for a Regional Faulting and Seismicity map that shows known USGS faults and former earthquake epicenters and magnitudes.

**TABLE 2.3.2-1: Active Faults Capable of Producing Significant Ground Shaking at the Site**

FAULT NAME	APPROXIMATE DISTANCE FROM SITE (MILES)	MAXIMUM MOMENT MAGNITUDE
Great Valley 4a, Trout Creek	10½	6.5
Great Valley 4b, Gordon Valley	11	6.7
Great Valley 5, Pittsburg Kirby Hills	15	6.6
Great Valley 3, Mysterious Ridge	20	7.0
Green Valley Connected	20	6.7
Hunting Creek, Berryessa	20½	7.0
West Napa	29	6.6
Greenville Connected	40	6.9
Hayward-Rodgers Creek; RC+HN	42	7.1
Hayward-Rodgers Creek; RC+HN+HS	42	7.3
Hayward-Rodgers Creek; RC	42	7.0
Mount Diablo Thrust	42½	6.6

FAULT NAME	APPROXIMATE DISTANCE FROM SITE (MILES)	MAXIMUM MOMENT MAGNITUDE
Hayward-Rodgers Creek; HN+HS	42½	6.9
Hayward-Rodgers Creek; HN	42½	6.5
Calaveras; CN+CC	46	6.9
Calaveras; CN	46	6.8
Calaveras; CN+CC+CS	46	6.9
Maacama-Garberville	48	7.4
Hayward-Rodgers Creek; HS	49	6.7
Bartlett Springs	49	7.3
Great Valley 2	50	6.4

\* Average of Ellsworth and Hanks maximum magnitudes.

## 2.4 SURFACE CONDITIONS

At the time of our field exploration, the Duffel 13 site was relatively level, and appeared to have been recently disced. A moderate to heavy growth of dry grasses and weeds was present at a tree line at the western property boundary. While no topographic information was provided, the surface elevations from Google Earth indicate the area slopes gently to the east, with site grades ranging from approximately Elevation 63 to 69 feet (Datum WGS84). Sidewalks with adjacent streetlights and utility access boxes and manholes were present at Vaughn Road / North Lincoln Street at the northern property boundary and North 1<sup>st</sup> Street / State Route 113 at the eastern property boundary. Several utility risers / stubs were observed behind the sidewalks to the north and east.

**PHOTO 2.4-1:**  
Site conditions, looking south.



**PHOTO 2.4-2:**  
Site conditions, looking northeast.



## 2.5 SUBSURFACE CONDITIONS

The soil encountered in our explorations generally consisted of very stiff to hard, medium plasticity, lean clay with varying sand content. Surficial lean clay with gravel and sandy clay with gravel, identified as fill, was encountered within Test Pits TP2, TP3, and TP7. Cemented sandy clay was encountered at a depth of approximately 9 feet within TP1.

Consult the Site Plan, Figure 2, and exploration logs for specific subsurface conditions at each location. We include our exploration logs in Appendix A. The test pit logs contain the soil type, color, consistency, and visual classification in general accordance with the Unified Soil Classification System. The logs graphically depict the subsurface conditions encountered at the time of the exploration.

## **2.6 GROUNDWATER CONDITIONS**

We did not observe static or perched groundwater in any of our subsurface explorations. However, State Well No. 07N01E12N002M, located less than 1/10 mile from the eastern site boundary, shows historical groundwater less than 10 feet below ground surface. The most recent measurement from this well recorded groundwater at a depth of 13.9 feet in 2006.

Fluctuations in the level of groundwater may occur due to variations in rainfall, irrigation practice, and other factors not evident at the time measurements were made.

## **2.7 LABORATORY TESTING**

We performed laboratory tests on select soil samples to evaluate some of their engineering properties. For this project, we performed moisture content, plasticity index, and sieve analysis. Laboratory results are recorded on the test pit logs in Appendix A, and additional laboratory data is included in Appendix B.

## **3.0 PRELIMINARY CONCLUSIONS**

From a geotechnical engineering viewpoint, in our opinion, the site is suitable for the proposed development, provided the preliminary geotechnical recommendations in this report are properly incorporated into the design plans and specifications.

The primary geotechnical concerns that could affect development on the site are existing fill and expansive soil. We summarize our conclusions below.

### **3.1 EXISTING FILL**

Our test pits indicate that portions of the site are underlain by non-engineered fill. We encountered fill up to 3½ feet deep in Test Pits TP2, TP3, and TP7. Refer to our test pit logs in Appendix A for more detailed information.

Non-engineered fills can undergo excessive settlement, especially under new fill or building loads. Without proper documentation of existing fill located on the site, we recommend complete removal and recompaction of the existing fill. Any backfill associated with test pit excavations should also be removed and backfilled with engineered fill.

We present preliminary fill removal recommendations in Section 4.1.1.

### **3.2 EXPANSIVE SOIL**

Our test pits encountered variable soil materials near the ground surface that predominantly consisted of medium plasticity clays. Laboratory test data, and our experience with similar soils in the vicinity of the site, indicate that these soils are potentially expansive.

Expansive soils change in volume with changes in moisture. They can shrink or swell and cause heaving and cracking of slabs-on-grade, pavements, and structures founded on shallow foundations. Building damage due to volume changes associated with expansive soil can be reduced by:

- Selective grading to exclude potentially expansive soil from the upper 2 feet of building pads.
- Constructing the upper 2 feet of building pads with select import fill with low expansion potential.
- Lime treating building pads to reduce expansive soil behavior.
- Supporting structures on properly designed post-tensioned concrete mat foundations design to accommodate the site-specific soil conditions.

Based on the conditions encountered, and our experience with similar developments in the area, it is our opinion that post-tensioned mat foundations may be the preferred foundation system for the proposed structures to mitigate expansive soil conditions. Preliminary design criteria for this foundation type are presented in Section 4.2.

We also provide specific grading recommendations for compaction of clay soil at the site. The purpose of these recommendations is to reduce the swell potential of the clay by compacting the soil at a high moisture content and controlling the amount of compaction.

The design-level geotechnical report should investigate other expansive soil mitigation alternatives based on the final development details and layout.

### 3.3 SEISMIC HAZARDS

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. The following sections present a discussion of these hazards as they apply to the site. Based on topographic and lithologic data, the risk of regional subsidence or uplift, soil liquefaction, lateral spreading, landslides, tsunamis, flooding or seiches is considered low to negligible at the site.

#### 3.3.1 Ground Rupture

Since there are no known active faults crossing the property and the site is not located within an Earthquake Fault Special Study Zone, it is our opinion that ground rupture is unlikely at the subject property.

#### 3.3.2 Ground Shaking

An earthquake of moderate to high magnitude generated within the Northern California region could cause considerable ground shaking at the site, similar to that which has occurred in the past. To mitigate the shaking effects, structures should be designed using sound engineering judgement and the applicable California Building code (CBC) requirements, as a minimum.

### 3.3.3 Liquefaction

Soil liquefaction results from loss of strength during cyclic loading, such as imposed by earthquakes. Soils most susceptible to liquefaction are clean, loose, saturated, uniformly graded, fine-grained sands. While the Association of Bay Area Governments Resilience Program's online Liquefaction Susceptibility Map shows the site mapped as moderate liquefaction susceptibility, clean sands were not encountered in our test pits. Our experience with similar sites in the area indicates that clean sands are unlikely to be encountered at depth. For these reasons and based upon engineering judgment, it is our opinion that the potential for liquefaction at the site is low during seismic shaking. Future design-level explorations should further evaluate liquefaction potential onsite.

### 3.3.4 Flooding

We reviewed the Federal Emergency Management Agency (FEMA) Flood Insurance Maps for the City of Dixon (Map 06095C0200E) dated May 4, 2009. The site is mapped as Zone X, an area of minimal flood hazard. The Civil Engineer should review pertinent information relating to possible flood levels for the subject site based on final pad elevations and provide appropriate design measures for development of the project, as needed.

## 3.4 SOIL CORROSION POTENTIAL

Determination of soil corrosion potential was beyond the scope of this preliminary geotechnical report. Our experience with similar sites in the vicinity of this project indicate that site soils may be moderately to severely corrosive. We recommend that soil corrosion potential be addressed during a design-level geotechnical exploration report. At that time and as part of a design-level study, we recommend representative soil samples be collected and submitted to a qualified analytical lab for determination of pH, resistivity, sulfate, and chloride.

## 3.5 GROUNDWATER

As discussed in Section 2.6, groundwater was not encountered in our explorations extending to a depth of approximately 12½ feet below grade. Historic groundwater levels in the vicinity of the site have been reported at a depth of less than 10 feet below ground surface (well 07N01E12N002M). Based on the proposed improvements, excavations for deep underground utilities may encounter groundwater. Future design-level geotechnical explorations should extend well below the depth of the deepest proposed underground improvements to further evaluate groundwater conditions and provide appropriate recommendations.

Perched water can occur above the static water table due to shallow cemented soils following periods of wet weather or landscape watering. Perched water can:

1. Impede grading activities.
2. Cause moisture damage to sensitive floor coverings.
3. Transmit moisture vapor through slabs causing excessive mold/mildew build-up, fogging of windows, and damage to computers and other sensitive equipment.
4. Cause premature pavement failure if hydrostatic pressures build up beneath the section.

### 3.6 2016 CBC SEISMIC DESIGN PARAMETERS

The 2016 CBC utilizes design criteria set forth in the 2010 ASCE 7 Standard. Based on the subsurface conditions encountered, we characterized the site as Site Class D in accordance with the 2016 CBC. We provide the 2016 CBC seismic design parameters in Table 3.6-1 below, which include design spectral response acceleration parameters based on the mapped Risk-Targeted Maximum Considered Earthquake (MCER) spectral response acceleration parameters.

**TABLE 3.6-1: 2016 CBC Seismic Design Parameters, Latitude: 38.465401 Longitude: -121.823267**

PARAMETER	VALUE
Site Class	D
Mapped $MCE_R$ Spectral Response Acceleration at Short Periods, $S_S$ (g)	1.18
Mapped $MCE_R$ Spectral Response Acceleration at 1-second Period, $S_1$ (g)	0.43
Site Coefficient, $F_A$	1.03
Site Coefficient, $F_V$	1.57
$MCE_R$ Spectral Response Acceleration at Short Periods, $S_{MS}$ (g)	1.22
$MCE_R$ Spectral Response Acceleration at 1-second Period, $S_{M1}$ (g)	0.67
Design Spectral Response Acceleration at Short Periods, $S_{DS}$ (g)	0.81
Design Spectral Response Acceleration at 1-second Period, $S_{D1}$ (g)	0.45
Mapped MCE Geometric Mean ( $MCE_G$ ) Peak Ground Acceleration, PGA (g)	0.42
Site Coefficient, $F_{PGA}$	1.08
$MCE_G$ Peak Ground Acceleration adjusted for Site Class effects, $PGA_M$ (g)	0.46

## 4.0 PRELIMINARY RECOMMENDATIONS

The preliminary recommendations included in this report should be utilized for project planning purposes and are intended for the areas of the site that will be developed with structural improvements. These areas include, but are not limited to building pads, sidewalks, pavement areas, retaining walls, and/or soundwalls. Prior to development, we should be retained to prepare a design-level geotechnical report.

### 4.1 EARTHWORK

#### 4.1.1 Existing Fill Removal

Remove existing fill to competent native soil, as evaluated by ENGEO. Figure 2 displays the approximate lateral extent of existing fill based on our explorations. The lateral extent and depth of fill is expected to vary and additional exploration during a design-level geotechnical investigation should further delineate fill onsite.

#### 4.1.2 Fill Compaction

We recommend removal of existing fills, stripping of organics, scarification, moisture conditioning, and compaction of the soil prior to fill placement, following cutting operations, and in areas left at grade. For low-expansion potential native or import soil (Expansion Index less than 50), we recommend compaction of fill and trench backfill to at least 90 percent relative compaction (ASTM D-1557) and compaction of the upper 6 inches of finish pavement subgrade to at least 95 percent

relative compaction prior to aggregate base placement. Soil should be compacted at a minimum of 1 percentage point over optimum moisture content. For expansive native soil, we recommend that fill be compacted within a range of 87 to 92 percent relative compaction at a moisture content at least 4 percentage points above optimum. Landscape fills can generally be compacted to a minimum of 85 percent relative compaction. Relative compaction refers to the in-place dry density of soil expressed as a percentage of the maximum dry density of the same material.

#### 4.1.3 Acceptable Fill

In general, we anticipate the onsite soil should be suitable as fill material provided it is processed to remove concentrations of organic material, debris, and particles greater than 6 inches in maximum dimension. Imported fill should also meet the above requirements and have an Expansion Index less than 50.

#### 4.1.4 Organic Content

We recommend material placed as engineered fill contain no more than 3 percent organic content by weight. We recommend soil samples be collected for laboratory testing to determine organic content during the design-level report. Strip organics from the ground surface to a depth of at least 2 to 3 inches below the surface. Remove strippings from the site or, if considered suitable by the landscape architect and owner, use them in landscape fill.

#### 4.1.5 Slope Gradients

For cut and fill slopes up to 8 feet tall, construct final slope gradients to 2:1 (horizontal:vertical) or flatter. The contractor is responsible to construct temporary construction slopes in accordance with CALOSHA requirements. Final slopes should be protected from surface erosion by installation of appropriate best management practices (BMPs) or finish landscaping.

### 4.2 FOUNDATIONS

We recommend that one- and two-story structures be supported on post-tensioned (PT) mat foundations bearing on competent native soil or compacted fill. On a preliminary basis, we recommend PT mats be approximately 10 inches thick, or greater, and have a thickened edge at least 2 inches greater than the mat thickness. The thickened edge should be at least 12 inches wide. Design PT mats for a maximum average allowable bearing pressure of 1,000 pounds per square foot (psf) for dead plus live loads, with maximum localized bearing pressures of 1,500 psf at column or wall loads.

Final post-tensioned foundation design should be performed by a structural engineer based on the procedure presented by the Post-Tensioning Institute "Design of Post-Tensioned Slabs-on-Ground" Third Edition, including appropriate addenda (2004).

### 4.3 FLEXIBLE PAVEMENTS

Based on our preliminary exploration and laboratory testing, we judged an R-value of 5 to be appropriate for preliminary pavement design. Using a preliminary design R-value of 5 and Procedure 633 of the Caltrans Highway Design Manual (including the asphalt factor of safety), we developed the preliminary pavement sections in Table 4.3-1.

**TABLE 4.3-1: Preliminary Pavement Sections**

Traffic Index	Hot Mix Asphalt (inches)	Class 2 Aggregate Base (inches)
6	3½	13
7	4	15½

The City of Dixon 2014 Design Standards specify minimum traffic indices and pavement section thicknesses for various public street classifications. The minimum values are a TI = 6 with 3½ inches of asphalt concrete over 10 inches of aggregate base over engineering fabric. The design-level geotechnical report should include R-value testing to confirm final design-level pavement recommendations.

## 5.0 DESIGN-LEVEL GEOTECHNICAL REPORT

This report presents findings, conclusions, and preliminary geotechnical recommendations intended for planning purposes only. Future design-level geotechnical explorations should be performed when development plans are finalized. We anticipate the design-level geotechnical report will include:

- Additional subsurface exploration based on the actual development layout.
- Further delineation of undocumented fills.
- Additional laboratory testing to determine moisture density, soil corrosion potential, soil expansion potential, and verify the design R-value for flexible pavements.
- Specific recommendations for site grading, foundations, sound and/or retaining walls (if applicable), and utility trench backfill.

## 6.0 LIMITATIONS AND UNIFORMITY OF CONDITIONS

This report presents preliminary geotechnical recommendations for design of the improvements discussed in Section 1.2 for the Duffel 13 project in Dixon, California. If changes occur in the nature or design of the project, we should be allowed to review this report and provide additional recommendations, if any. It is the responsibility of the owner to transmit the information and recommendations of this report to the appropriate organizations or people involved in design of the project, including but not limited to developers, owners, buyers, architects, engineers, and designers. The conclusions and preliminary recommendations contained in this report are solely professional opinions and are valid for a period of no more than 2 years from the date of report issuance.

We strived to perform our professional services in accordance with generally accepted geotechnical engineering principles and practices currently employed in the area; no warranty is expressed or implied. There are risks of earth movement and property damages inherent in building on or with earth materials. We are unable to eliminate all risks; therefore, we are unable to guarantee or warrant the results of our services.

This report is based upon field and other conditions discovered at the time of report preparation. We developed this report with limited subsurface exploration data. We assumed that our



subsurface exploration data is representative of the actual subsurface conditions across the site. Considering possible underground variability of soil, rock, stockpiled material, and groundwater, additional costs may be required to complete the project. We recommend that the owner establish a contingency fund to cover such costs. If unexpected conditions are encountered, ENGEO must be notified immediately to review these conditions and provide additional and/or modified recommendations, as necessary.

We determined the lines designating the interface between layers on the exploration logs using visual observations. The transition between the materials may be abrupt or gradual. The exploration logs contain information concerning samples recovered, indications of the presence of various materials such as clay, sand, silt, rock, existing fill, etc., and observations of groundwater encountered. The field logs also contain our interpretation of the subsurface conditions between sample locations. Therefore, the logs contain both factual and interpretative information. Our recommendations are based on the contents of the final logs, which represent our interpretation of the field logs.

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Bryant, W. and Hart, E. (2007). Special Publication 42, "Fault-Rupture Hazard Zones in California", Interim Revision 2007, California Department of Conservation.

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Post-Tensioning Institute (PTI), 2007, Design of Post-Tensioned Slabs-on-Ground, 3<sup>rd</sup> Edition.



## **FIGURES**

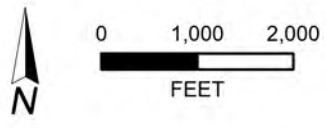
**FIGURE 1: Vicinity Map**

**FIGURE 2: Site Plan**

**FIGURE 3: Regional Geologic Map (Graymer et al. 2002)**

**FIGURE 4: Regional Faulting and Seismicity Map**

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BASEMAP SOURCE: ESRI MAPPING SERVICE



VICINITY MAP  
DUFFEL 13 DIXON  
DIXON, CALIFORNIA

PROJECT NO. : 16329.000.000

SCALE: AS SHOWN

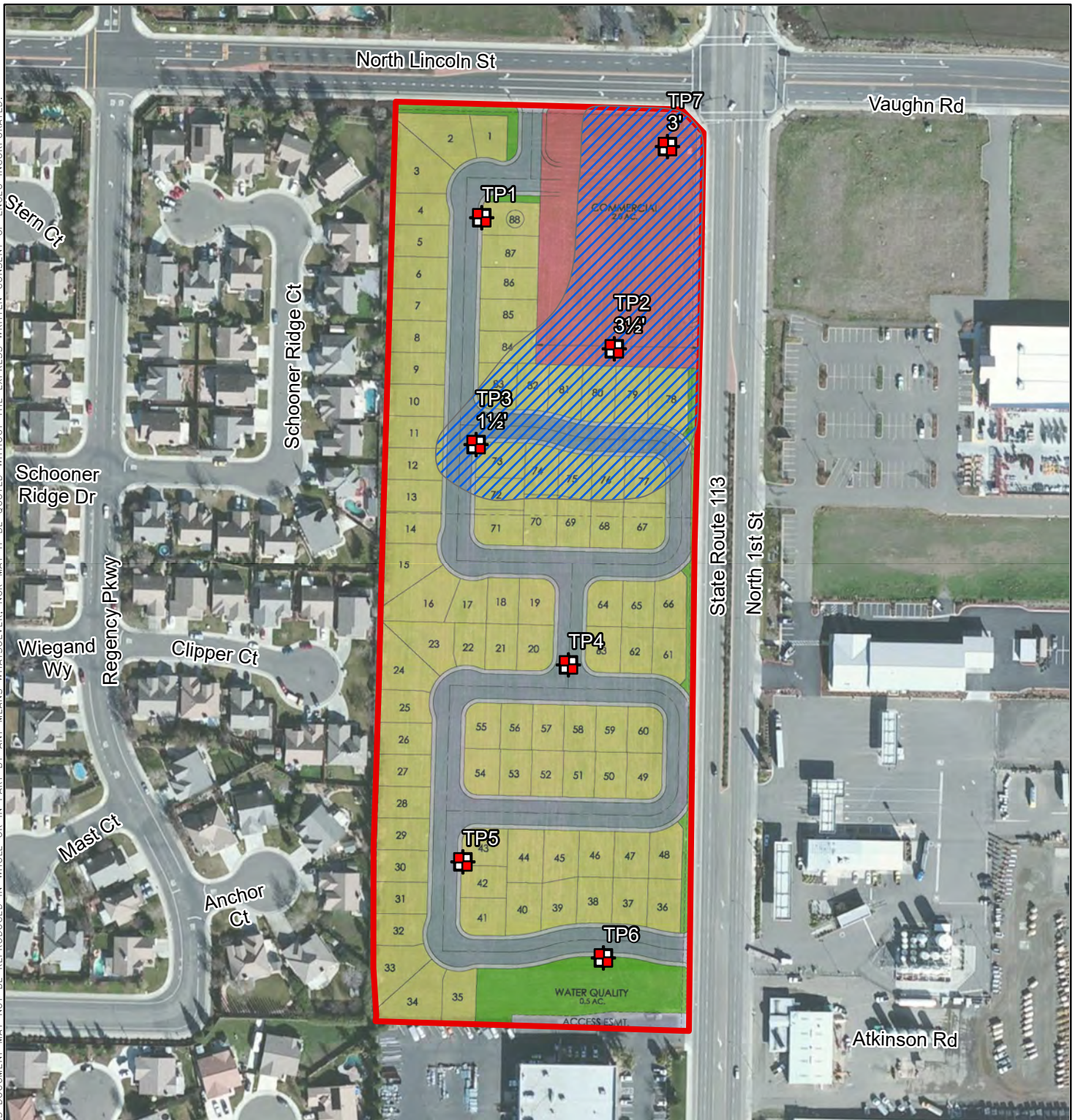
DRAWN BY: QRL

CHECKED BY: JCB

FIGURE NO.

1

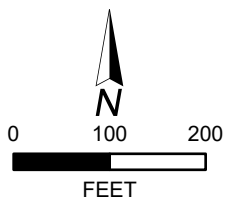
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**EXPLANATION**

ALL LOCATIONS ARE APPROXIMATE

- PROJECT SITE
- APPROXIMATE LATERAL EXTENT OF FILL
- TP7 + TEST PIT LOCATION (ENGEO, 2019)
- (3 1/2) APPROXIMATE FILL DEPTH



BASEMAP SOURCE: ESRI MAPPING SERVICE, WOOD RODGERS



**SITE PLAN**  
 DUFFEL 13 DIXON  
 DIXON, CALIFORNIA

PROJECT NO. : 16329.000.000

SCALE: AS SHOWN

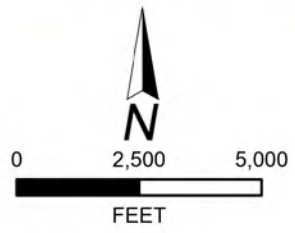
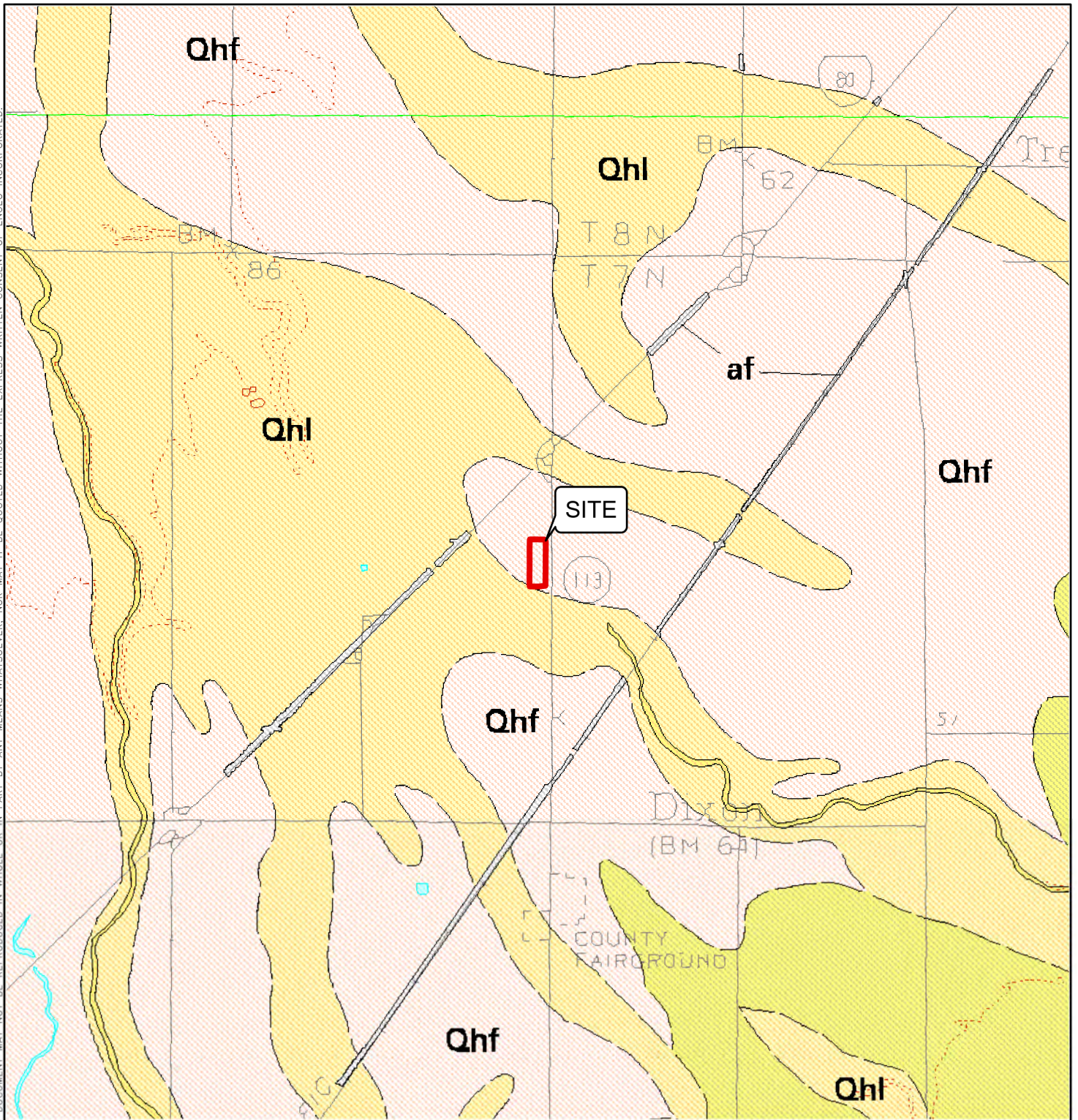
DRAWN BY: QRL

CHECKED BY: JCB

FIGURE NO.

2

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**EXPLANATION**

ALL LOCATIONS ARE APPROXIMATE

- af ARTIFICIAL FILL
- Qhf ALLUVIAL FAN DEPOSITS (HOLOCENE)
- Qhl NATURAL LEVEE DEPOSITS (HOLOCENE)

BASEMAP SOURCE: GRAYMER ET AL. 2002



**REGIONAL GEOLOGIC MAP**  
 DUFFEL 13 DIXON  
 DIXON, CALIFORNIA

PROJECT NO. : 16329.000.000

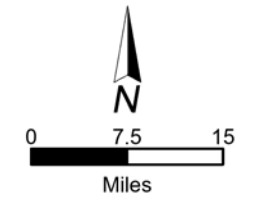
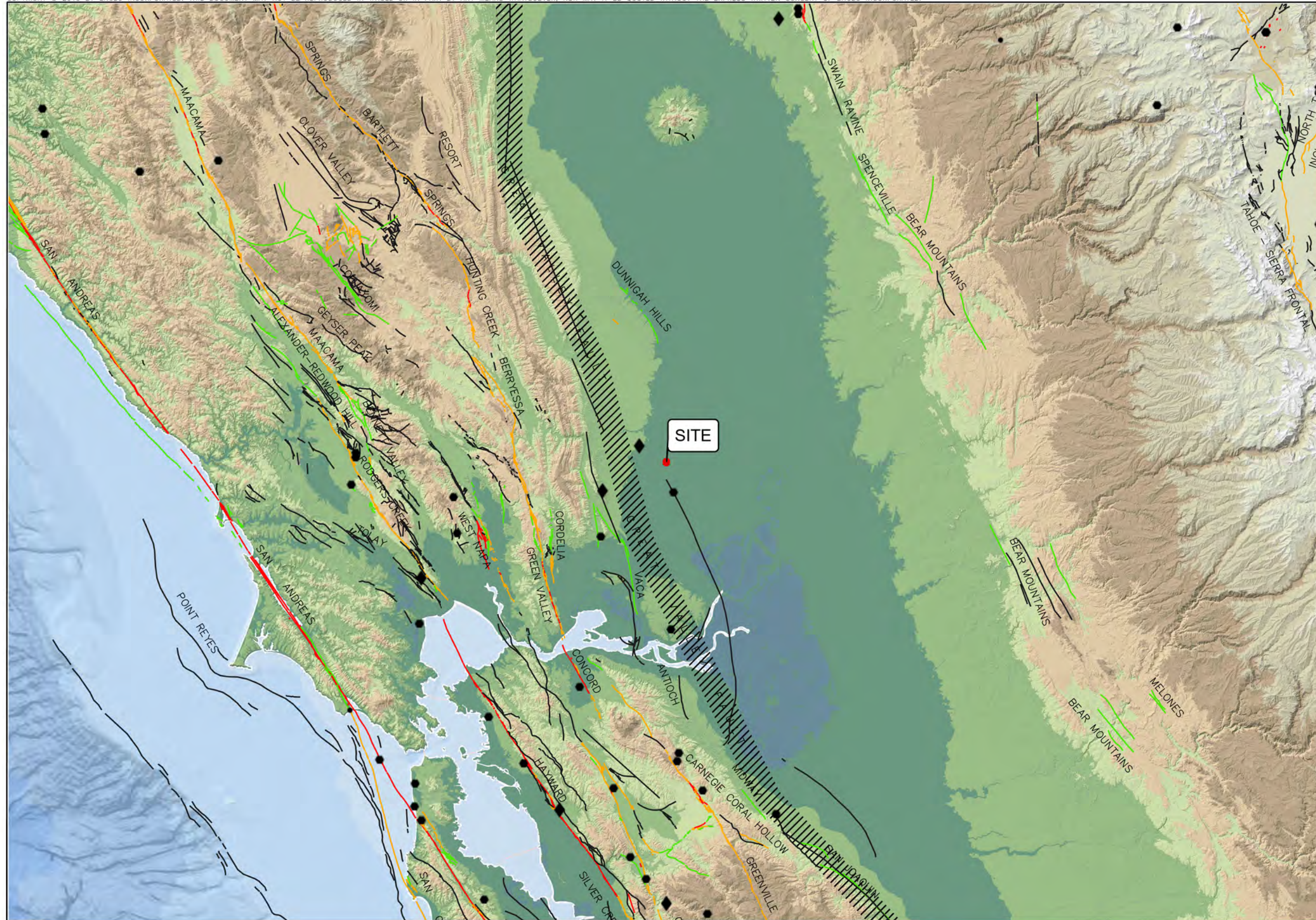
SCALE: AS SHOWN

DRAWN BY: QRL

CHECKED BY: JCB

FIGURE NO.

**3**



**EXPLANATION**

ALL LOCATIONS ARE APPROXIMATE

**EARTHQUAKE**

- ◆ MAGNITUDE 7+
- MAGNITUDE 6-7
- MAGNITUDE 5-6

**USGS QUATERNARY FAULTS**

- HISTORICAL
- LATEST QUATERNARY
- LATE QUATERNARY
- UNDIFFERENTIATED QUATERNARY
- //// HISTORIC BLIND THRUST FAULT ZONE

BASE MAP SOURCE  
 ESRI, GARMIN, GEBCO, NOAA NGDC, AND OTHER CONTRIBUTORS  
 COLOR HILLSHADE IMAGE BASED ON THE NATIONAL ELEVATION DATA SET (NED) AT 30 METER RESOLUTION  
 U.S.G.S. QUATERNARY FAULT DATABASE, 2018  
 U.S.G.S. HISTORIC EARTHQUAKE DATABASE (1800-PRESENT)



**REGIONAL FAULTING AND SEISMICITY**  
 DUFFEL 13 DIXON  
 DIXON, CALIFORNIA

PROJECT NO. : 16329.000.000  
 SCALE: AS SHOWN  
 DRAWN BY: QRL CHECKED BY: JCB

FIGURE NO.  
**4**



**APPENDIX A**  
**EXPLORATION LOGS**  
**Test Pit Logs**





# TEST PIT LOG TP1

Duffel 13  
Dixon, California  
16329.000.000

Logged By: S. Blakely  
Logged Date: July 3, 2019  
Equipment: Case 850N EP Backhoe

Depth (Feet)	Description	Depth of Sample/ Lab Test (Feet)	Plasticity Index	Liquid Limit	Laboratory Moisture Content%	Fines Content (% passing #200 sieve)
0 - 9	LEAN CLAY (CL), dark brown, very stiff, moist, medium plasticity, medium toughness, approximately 5-10% fine-grained sand.	1½	30	47		89.2
2	grades to brown					
4½	grades to dark yellowish brown, 11% fine-grained sand	5				
9 - 10½	SANDY LEAN CLAY (CL), dark yellowish brown, hard, moist, low plasticity, low toughness, approximately 30% fine- to medium-grained sand, cemented, no HCl reaction, cemented nodules and ichnofossils.					
10½	Bottom of test pit at 10½ feet. No groundwater encountered.					





## TEST PIT LOG TP2

Duffel 13  
Dixon, California  
16329.000.000

Logged By: S. Blakely  
Logged Date: July 3, 2019  
Equipment: Case 850N EP Backhoe

Depth (Feet)	Description	Depth of Sample/ Lab Test (Feet)	Plasticity Index	Liquid Limit	Laboratory Moisture Content%	Fines Content (% passing #200 sieve)
0-1½	LEAN CLAY WITH GRAVEL (CL), dark brown, very stiff, moist, low to medium plasticity, low to medium toughness, approximately 20% angular to subrounded fine to coarse gravel, approximately 5-10% fine-grained sand [Fill].					
1½-3½	LEAN CLAY (CL), dark brown, very stiff, moist, medium plasticity, medium toughness, 10% fine-grained sand, trace coarse-grained sand and subangular fine gravel [Fill].	1½			19.8	90.4
3½-10½	LEAN CLAY (CL), dark yellowish brown, very stiff, moist, medium plasticity, medium toughness, 6% fine-grained sand. [Native]	4			20.4	93.5
10	few cemented clay nodules					
10½	Bottom of test pit at 10½ feet. No groundwater encountered.					





# TEST PIT LOG TP3

Duffel 13  
Dixon, California  
16329.000.000

Logged By: S. Blakely  
Logged Date: July 3, 2019  
Equipment: Case 850N EP Backhoe

Depth (Feet)	Description	Depth of Sample/ Lab Test (Feet)	Plasticity Index	Liquid Limit	Laboratory Moisture Content%	Fines Content (% passing #200 sieve)
0-1½	SANDY LEAN CLAY WITH GRAVEL (CL), brown, very strong, slightly moist, low plasticity, low toughness, approximately 25% fine- to coarse-grained sand, approximately 15% angular to subrounded fine to coarse gravel [Fill].					
1½-10½	LEAN CLAY (CL), dark brown, hard, moist, medium plasticity, medium toughness, approximately 5-10% fine-grained sand. [Native]					
2	grades to brown, very stiff					
4½	grades to dark yellowish brown	5			19.9	
10	few cemented clay nodules					
10½	Bottom of test pit at 10½ feet. No groundwater encountered.					





## TEST PIT LOG TP4

Duffel 13  
Dixon, California  
16329.000.000

Logged By: S. Blakely  
Logged Date: July 3, 2019  
Equipment: Case 850N EP Backhoe

Depth (Feet)	Description	Depth of Sample/ Lab Test (Feet)	Plasticity Index	Liquid Limit	Laboratory Moisture Content%	Fines Content (% passing #200 sieve)
0-11½	LEAN CLAY (CL), dark brown, hard, moist, medium plasticity, medium toughness, 8% fine-grained sand.	1½	28	45		92.4
2½	grades to brown, very stiff, medium to high plasticity, medium to high toughness					
8½	grades to dark yellowish brown					
10½	grades to yellowish brown, a few cemented clay nodules					
11½	Bottom of test pit at 11½ feet. No groundwater encountered.					





# TEST PIT LOG TP5

Duffel 13  
Dixon, California  
16329.000.000

Logged By: S. Blakely  
Logged Date: July 3, 2019  
Equipment: Case 850N EP Backhoe

Depth (Feet)	Description	Depth of Sample/ Lab Test (Feet)	Plasticity Index	Liquid Limit	Laboratory Moisture Content%	Fines Content (% passing #200 sieve)
0-12½	LEAN CLAY (CL), dark brown, hard, moist, medium plasticity, medium toughness, approximately 5-10% fine-grained sand.					
2½	grades to brown, very stiff					
10½	grades to yellowish brown					
11½	grades to dark yellowish brown, medium to high plasticity, medium to high toughness	10			19.5	
12½	Bottom of test pit at 12½ feet. No groundwater encountered.	12			19.2	





# TEST PIT LOG TP6

Duffel 13  
 Dixon, California  
 16329.000.000

Logged By: S. Blakely  
 Logged Date: July 3, 2019  
 Equipment: Case 850N EP Backhoe

Depth (Feet)	Description	Depth of Sample/ Lab Test (Feet)	Plasticity Index	Liquid Limit	Laboratory Moisture Content%	Fines Content (% passing #200 sieve)
0-10½	LEAN CLAY (CL), brown, hard, moist, medium plasticity, medium toughness, 14% fine- to coarse-grained sand.	1			15.4	86.1
1½	grades to medium to high plasticity, medium to high toughness, approximately 5-10% fine-grained sand					
2½	grades to very stiff					
4	grades to yellowish brown, medium plasticity, low to medium toughness					
10½	Bottom of test pit at 10½ feet. No groundwater encountered.					





# TEST PIT LOG TP7

Duffel 13  
Dixon, California  
16329.000.000

Logged By: S. Blakely  
Logged Date: July 3, 2019  
Equipment: Case 850N EP Backhoe

Depth (Feet)	Description	Depth of Sample/ Lab Test (Feet)	Plasticity Index	Liquid Limit	Laboratory Moisture Content%	Fines Content (% passing #200 sieve)
0-3	SANDY LEAN CLAY WITH GRAVEL (CL), dark brown, very stiff, slightly moist, medium plasticity, medium toughness, approximately 30% fine- to coarse-grained sand, approximately 10% angular to subrounded fine gravel [Fill].	2-3			12.8	
3-4	LEAN CLAY (CL), dark brown, hard, moist, medium to high plasticity, medium toughness, approximately 5-10% fine-grained sand. [Native]	3-4			22.5	
4	Bottom of test pit at 4 feet. No groundwater encountered.					





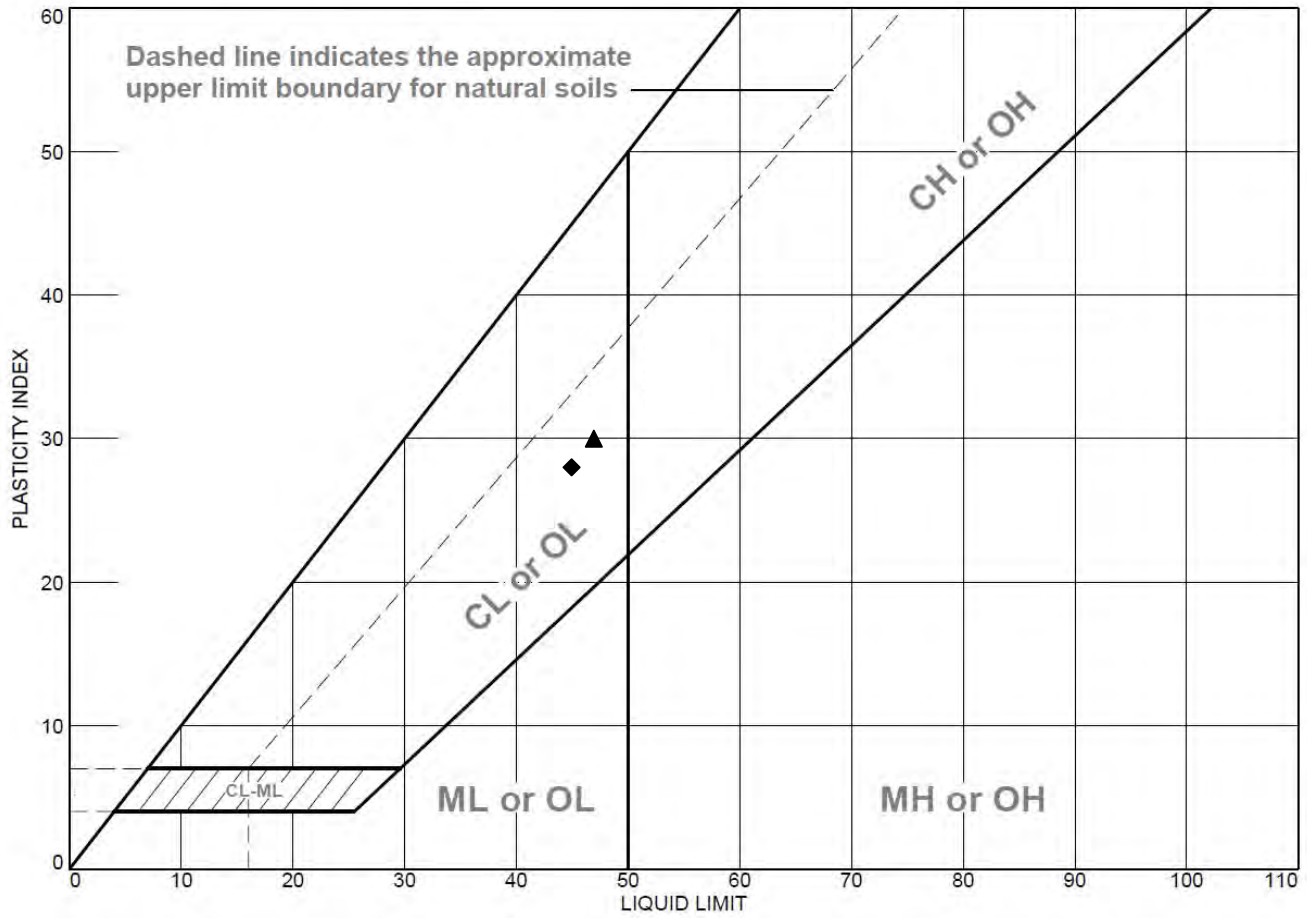
## **APPENDIX B**

### **LABORATORY TEST DATA**

**Liquid and Plastic Limits Test Report  
Particle Size Distribution Reports (5 pages)  
Moisture Content Determination**



# LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
▲	See exploration logs	47	17	30			
◆	See exploration logs	45	17	28		92.4	CL

<p><b>Project No.:</b> 16329.000.000 PH001</p> <p><b>Project Name:</b> Duffel 13 Dixon Property</p> <p><b>Project location:</b> Dixon, CA</p> <p><b>Client:</b> Lewis Management Corporation</p> <p>▲ <b>Sample Number:</b> TP1      <b>Depth:</b> 1.5</p> <p>◆ <b>Sample Number:</b> TP4      <b>Depth:</b> 1.5</p>	<p><b>Date:</b> 7/12/2019</p>	<p><b>Remarks:</b></p> <p>PI: ASTM D4318, Wet Method</p> <p>PI: ASTM D4318, Wet Method, GS: ASTM D1140, Method B, USCS: ASTM D2487</p>
--	-------------------------------	--

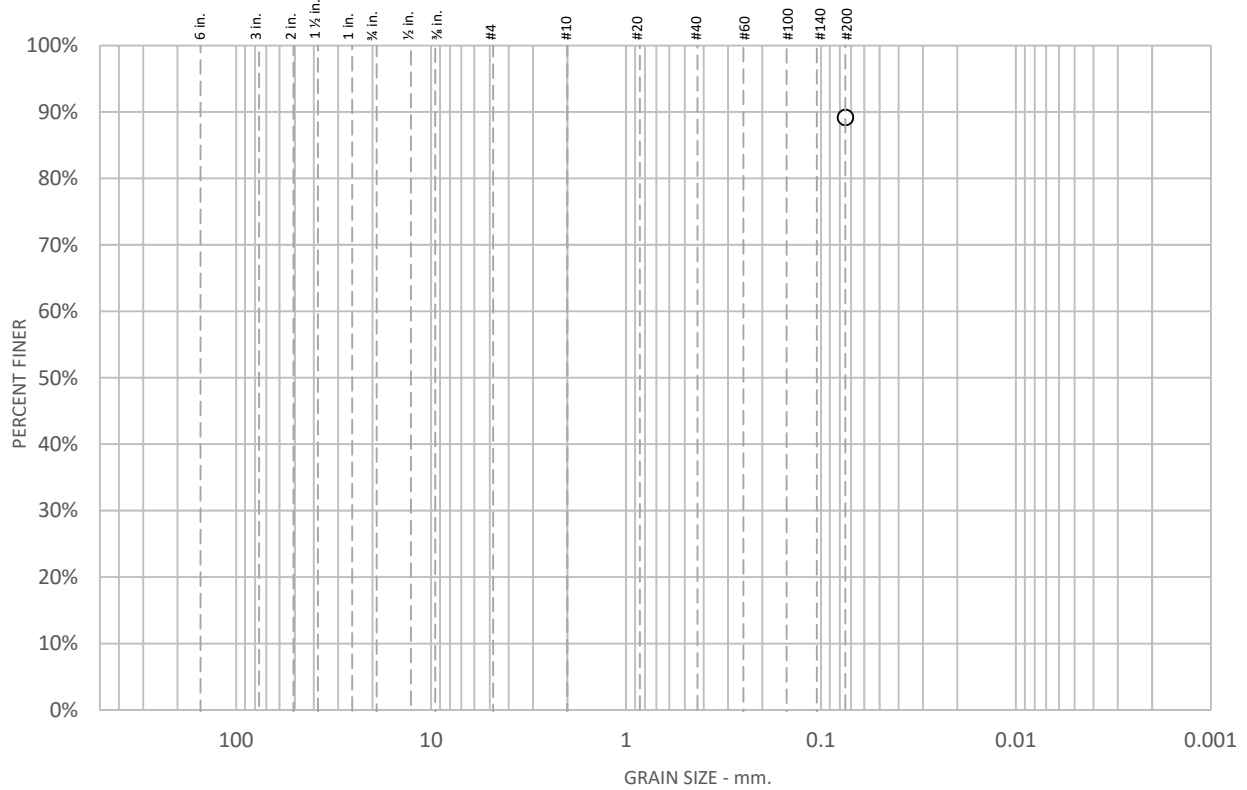


Tested By: R. Montalvo

Checked By: M. Gilbert

Test Location: 2213 Plaza Drive, Rocklin, CA 95765

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
						89.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	89.2		

**Soil Description**

See exploration logs

**Atterberg Limits**

PL =                      LL =                      PI =

**Coefficients**

D<sub>90</sub> =                      D<sub>85</sub> =                      D<sub>60</sub> =  
 D<sub>50</sub> =                      D<sub>30</sub> =                      D<sub>15</sub> =  
 D<sub>10</sub> =                      C<sub>u</sub> =                      C<sub>c</sub> =

**Classification**

USCS =

**Remarks**

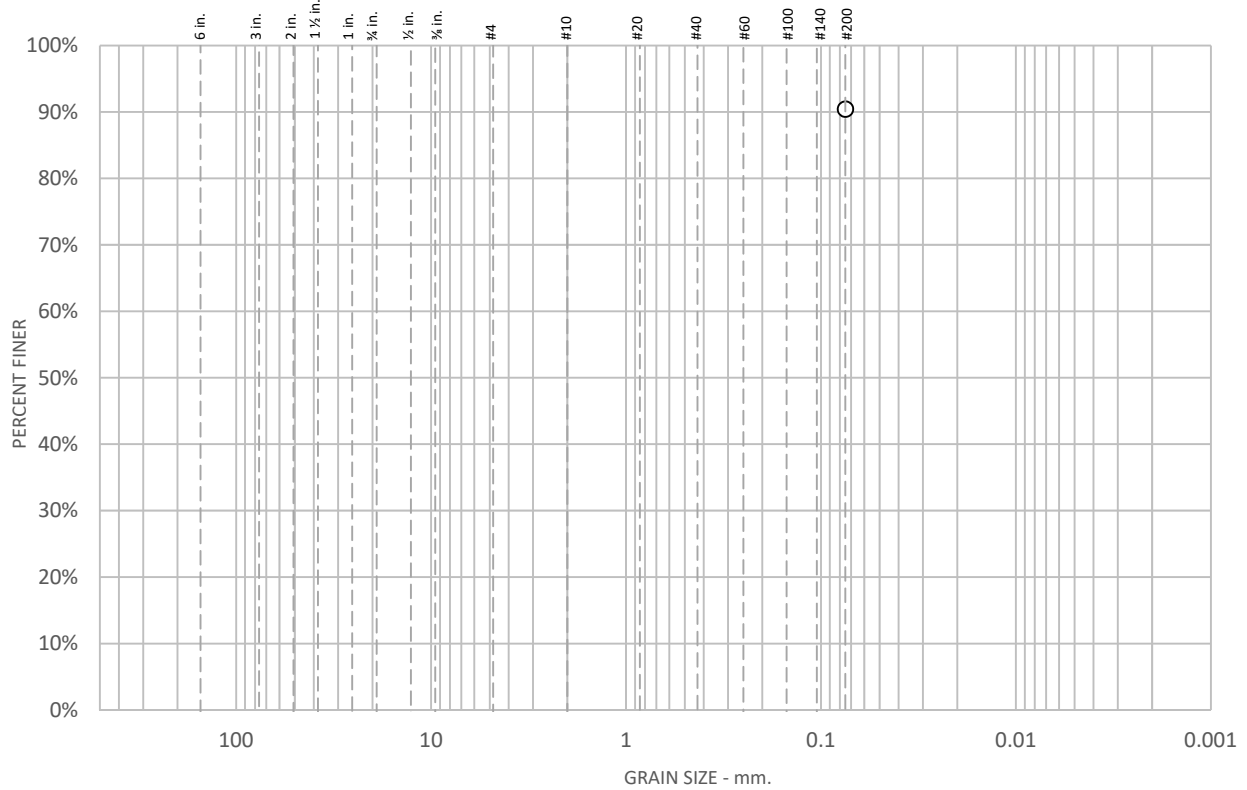
ASTM D1140, Method B  
 Soak time = 120 min  
 Dry sample weight = 203.2 g

\* (no specification provided)

<b>Sample Number:</b> TP1 @ 5 <b>Client:</b> Lewis Management Corporation <b>Project:</b> Duffel 13 Dixon Property <b>Project location:</b> Dixon, CA	<b>Project Number:</b> 16329.000.000 PH001 <b>Date:</b> 7/12/2019	
--	--	--

**Tested By:** R. Montalvo                      **Checked By:** M. Gilbert  
**Test Location:** 2213 Plaza Drive, Rocklin, CA 95765

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
						90.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	90.4		

**Soil Description**

See exploration logs

**Atterberg Limits**

PL =                      LL =                      PI =

**Coefficients**

D<sub>90</sub> =                      D<sub>85</sub> =                      D<sub>60</sub> =  
 D<sub>50</sub> =                      D<sub>30</sub> =                      D<sub>15</sub> =  
 D<sub>10</sub> =                      C<sub>u</sub> =                      C<sub>c</sub> =

**Classification**

USCS =

**Remarks**

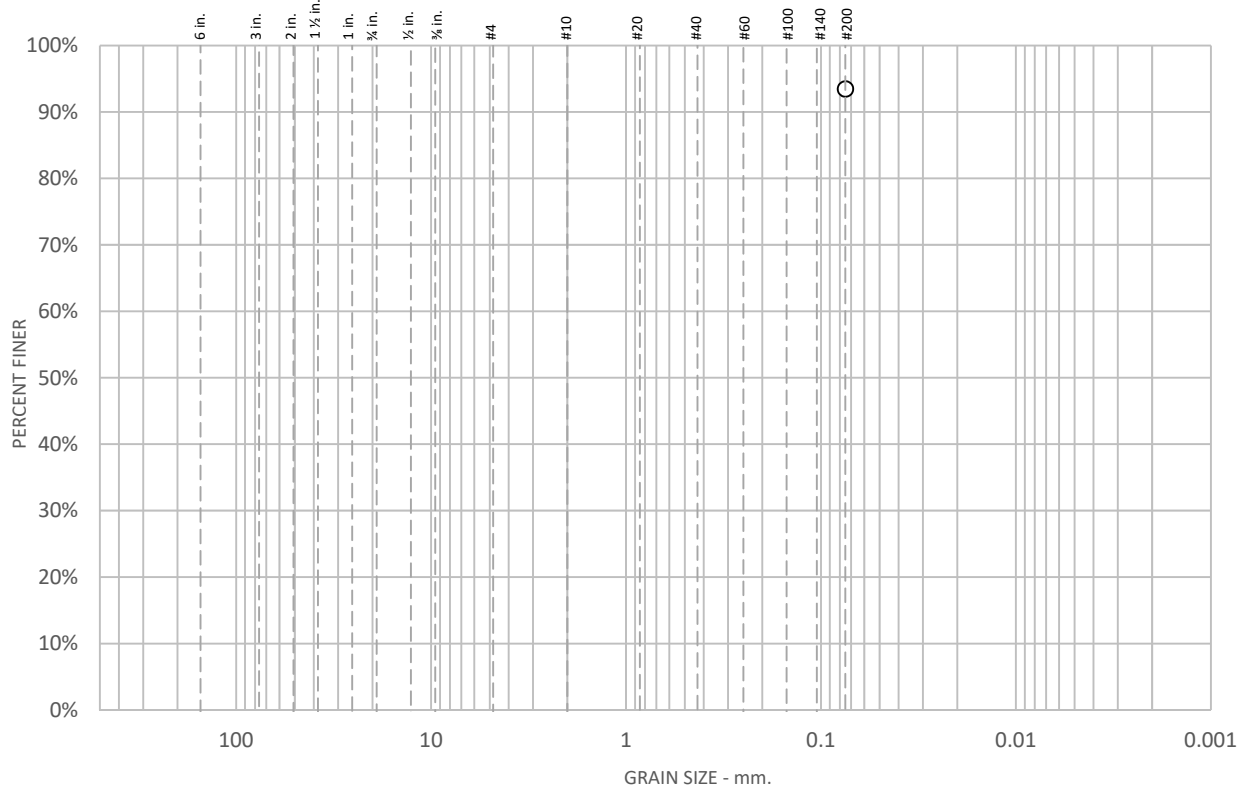
ASTM D1140, Method B  
 Soak time = 120 min  
 Dry sample weight = 175.4 g

\* (no specification provided)

<b>Sample Number:</b> TP2 @ 1.5 <b>Client:</b> Lewis Management Corporation <b>Project:</b> Duffel 13 Dixon Property <b>Project location:</b> Dixon, CA	<b>Project Number:</b> 16329.000.000 PH001 <b>Date:</b> 7/12/2019	
--	--	--

**Tested By:** R. Montalvo                      **Checked By:** M. Gilbert  
**Test Location:** 2213 Plaza Drive, Rocklin, CA 95765

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
						93.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	93.5		

**Soil Description**

See exploration logs

**Atterberg Limits**

PL =                      LL =                      PI =

**Coefficients**

D<sub>90</sub> =                      D<sub>85</sub> =                      D<sub>60</sub> =  
 D<sub>50</sub> =                      D<sub>30</sub> =                      D<sub>15</sub> =  
 D<sub>10</sub> =                      C<sub>u</sub> =                      C<sub>c</sub> =

**Classification**

USCS =

**Remarks**

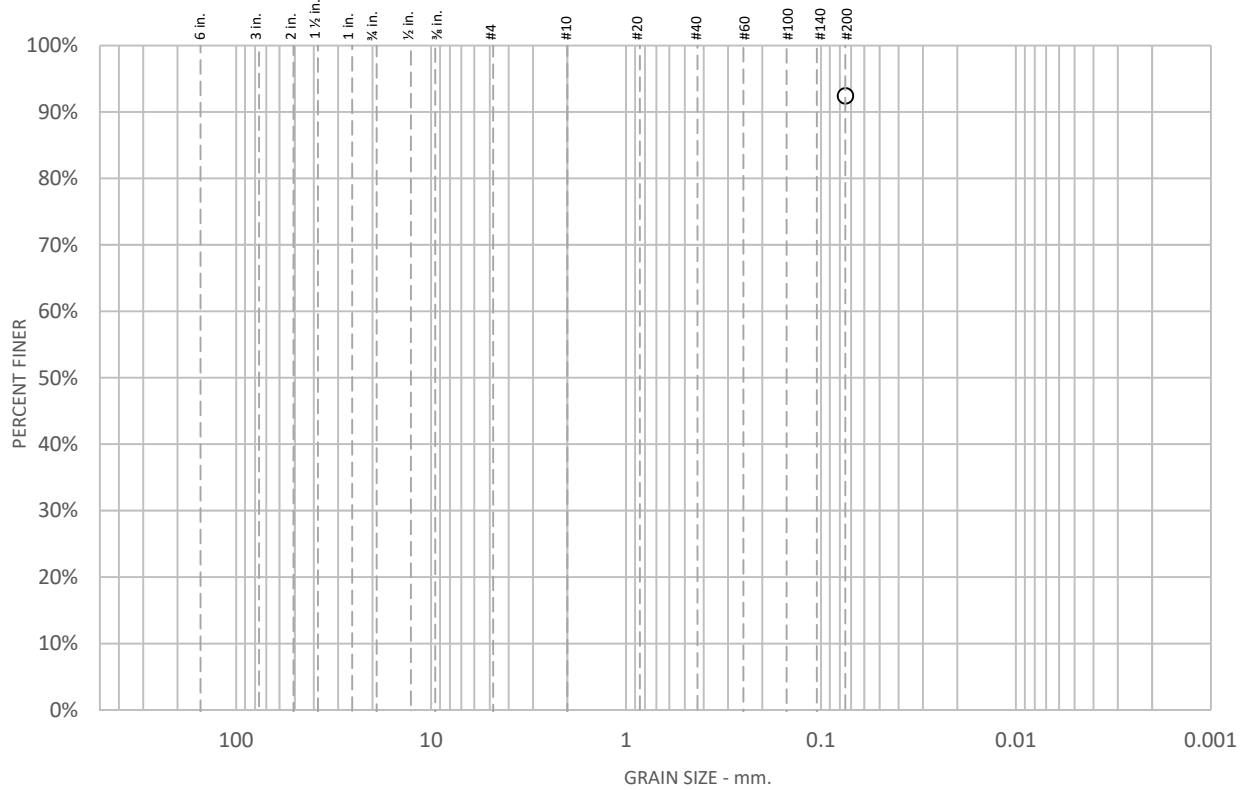
ASTM D1140, Method B  
 Soak time = 120 min  
 Dry sample weight = 163.6 g

\* (no specification provided)

<b>Sample Number:</b> TP2 @ 4 <b>Client:</b> Lewis Management Corporation <b>Project:</b> Duffel 13 Dixon Property <b>Project location:</b> Dixon, CA	<b>Project Number:</b> 16329.000.000 PH001 <b>Date:</b> 7/12/2019	
--	--	--

**Tested By:** R. Montalvo                      **Checked By:** M. Gilbert  
**Test Location:** 2213 Plaza Drive, Rocklin, CA 95765

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
						92.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	92.4		

**Soil Description**

See exploration logs

**Atterberg Limits**

PL = 17                      LL = 45                      PI = 28

**Coefficients**

D<sub>90</sub> =                      D<sub>85</sub> =                      D<sub>60</sub> =  
D<sub>50</sub> =                      D<sub>30</sub> =                      D<sub>15</sub> =  
D<sub>10</sub> =                      C<sub>u</sub> =                      C<sub>c</sub> =

**Classification**

USCS = CL

**Remarks**

PI: ASTM D4318, Wet Method                      ASTM D1140, Method B  
Soak time = 120 min  
Dry sample weight = 203.1 g

\* (no specification provided)

**Sample Number:** TP4 @ 1.5

**Client:** Lewis Management Corporation

**Project Number:** 16329.000.000 PH001

**Project:** Duffel 13 Dixon Property

**Date:** 7/12/2019

**Project location:** Dixon, CA

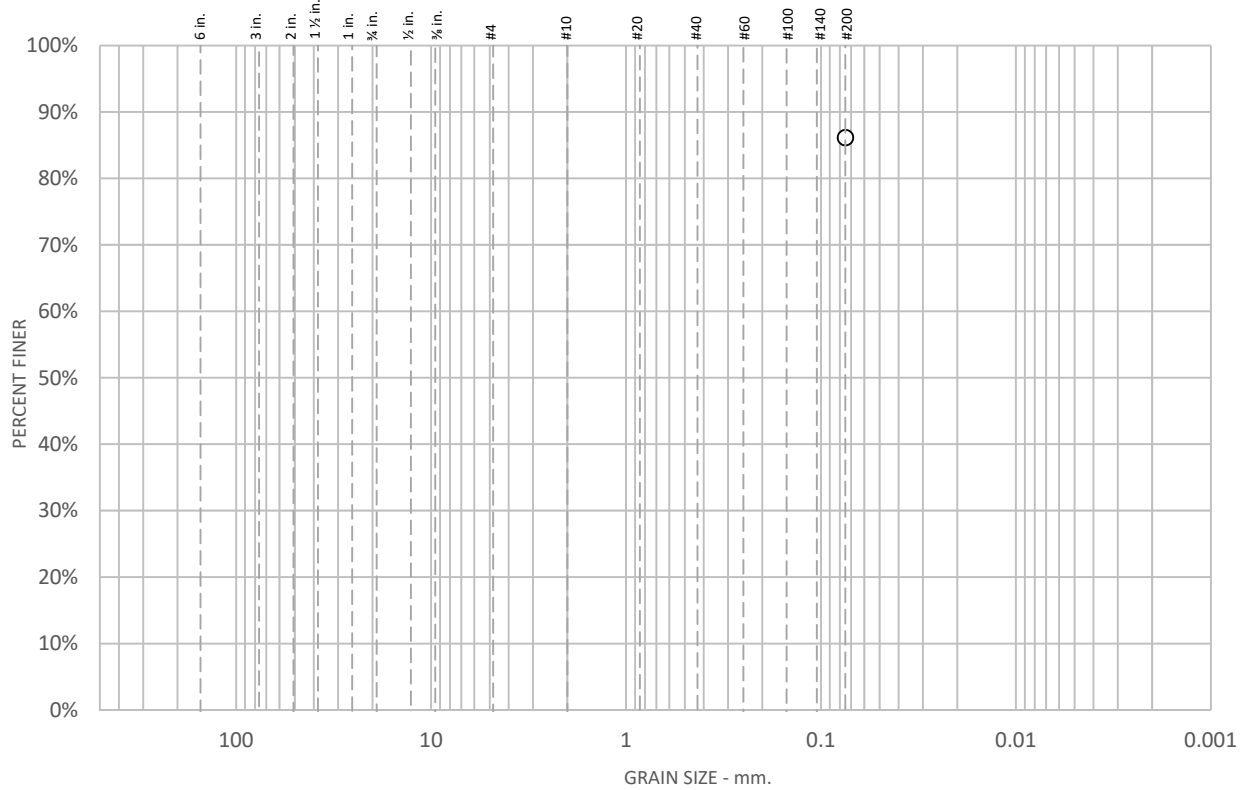


**Tested By:** R. Montalvo

**Checked By:** M. Gilbert

**Test Location:** 2213 Plaza Drive, Rocklin, CA 95765

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
						86.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	86.1		

**Soil Description**

See exploration logs

**Atterberg Limits**

PL =                      LL =                      PI =

**Coefficients**

D<sub>90</sub> =                      D<sub>85</sub> =                      D<sub>60</sub> =  
 D<sub>50</sub> =                      D<sub>30</sub> =                      D<sub>15</sub> =  
 D<sub>10</sub> =                      C<sub>u</sub> =                      C<sub>c</sub> =

**Classification**

USCS =

**Remarks**

ASTM D1140, Method B  
 Soak time = 120 min  
 Dry sample weight = 200.4 g

\* (no specification provided)

**Sample Number:** TP6 @ 1

**Client:** Lewis Management Corporation

**Project Number:** 16329.000.000 PH001

**Project:** Duffel 13 Dixon Property

**Date:** 7/12/2019

**Project location:** Dixon, CA



**Tested By:** R. Montalvo

**Checked By:** M. Gilbert

**Test Location:** 2213 Plaza Drive, Rocklin, CA 95765

# MOISTURE CONTENT DETERMINATION

ASTM D2216

BORING/SAMPLE ID	TP2@1.5	TP2@4	TP3@5	TP5@10	TP5@12	TP6@1	TP7@0-3	TP7@3-4
<b>DEPTH (ft)</b>	<b>1.5</b>	<b>4</b>	<b>5</b>	<b>10</b>	<b>12</b>	<b>1</b>	<b>0-3</b>	<b>3-4</b>
Method A or B	B	B	B	B	B	B	B	B
<b>%MOISTURE</b>	<b>19.8</b>	<b>20.4</b>	<b>19.9</b>	<b>19.5</b>	<b>19.2</b>	<b>15.4</b>	<b>12.8</b>	<b>22.5</b>

**PROJECT NAME: Duffel 13 Dixon Property**  
**PROJECT NUMBER: 16329.000.000**  
**CLIENT: Lewis Management Corporation**  
**PHASE NUMBER: 001**

**DATE: 07/12/19**



Tested by: R. Montalvo

Reviewed by: M. Gilbert





## **Appendix F**

Phase I Environmental Site Assessment: Duffel Property

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

## Duffel Property

100-MCP-T39745

July 2019



**Prepared For:**

Lewis Management Corp.  
9216 Kiefer Boulevard  
Sacramento, California 95826



---

**Prepared By:**

Tetra Tech, Inc.  
5012 Luce Ave.  
Suite 103  
McClellan, CA 95652

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- Appendix B – EDR Historic Topographic Maps & Aerial Photographs
- Appendix C – Source Documents
- Appendix D – Site Visit Photos
- Appendix E – Professional Qualifications

**ACRONYMS & ABBREVIATIONS**

APN	Assessor's Parcel Number
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
DTSC	Department of Toxic Substances Control
EDR	Environmental Data Resources
ESA	Environmental Site Assessment
EPA	Environmental Protection Agency
GEIMS	Geographic Environmental Information Management System
GIS	geographic information system
LUST	Leaking Underground Storage Tank
REC	Recognizable Environmental Conditions
SWRCB	California State Water Resources Control Board
Tetra Tech	Tetra Tech, Inc.
USGS	United States Geological Survey

## **EXECUTIVE SUMMARY**

This report presents the findings of a preliminary Phase I Environmental Site Assessment (ESA) prepared on behalf of Lewis Management Corp. for the Duffel Property located at the southwest corner of Vaughn Road and Highway 113 in the City of Dixon, Solano County, California (hereafter referred to as "Site"). This ESA was performed by Tetra Tech, Inc. (Tetra Tech), under contract with Lewis Management Corp., in general accordance with the American Society for Testing and Materials (ASTM) international guidelines listed in *Standard Practice for Environmental Site Assessment Process, Designated ASTM Method E1527-13* (ASTM 2013).

The ASTM Standard E1527-13 requires an ESA to include a findings section, which identifies known, suspect, or historical Recognizable Environmental Conditions (RECs). The following presents a list of observations and findings identified during the preparation of this report:

- The Site has remained generally undeveloped dating to 1908;
- Prior to the development surrounding the Site, ground markings within the Site were consistent irrigated agriculture such as row crops; and
- According to the Preliminary Title Report, no environmental liens are associated with the Site.

Tetra Tech identified the following RECs, as defined in ASTM Standard E1527-13, for the Site:

- Irrigated agricultural production within the Site was active at a time when persistent pesticides may have been utilized.

### **Recommendations for Additional Investigations**

Based on the findings and conclusions of this Phase I ESA, Tetra Tech recommends a Phase II Investigation be completed to assess for the potential for persistent pesticides remaining within the near surface-soils within the Site.

## **1.0 INTRODUCTION**

### **1.1 PURPOSE**

The purpose of this assessment was to evaluate potential environmental liabilities associated with the Site. This study was conducted to identify, to the extent possible and based on available information, whether former activities at or near the Site may have involved or resulted in the use, storage, disposal, and/or release of hazardous or potentially hazardous substances to the environment. Past and present uses of the Site and surrounding properties were evaluated by reviewing available historical map coverage, aerial photographs, and chain of title documents, as well as conducting personal interviews and Site reconnaissance. This Phase I Environmental Site Assessment (ESA) was performed at the request of Lewis Management Corp., to obtain knowledge of potential and/or present contamination of the Site. Using professional judgment, Tetra Tech, Inc. (Tetra Tech) has developed conclusions and recommendations regarding the potential for contamination of the Site.

### **1.2 DETAILED SCOPE OF SERVICES**

The scope of services performed for this project included the following tasks:

- Research and review of pertinent, readily-available geologic and hydrogeologic literature, as well as available historical aerial photographs and topographic maps of the Site and surrounding area;
- A reconnaissance of the Site;
- Review of the historical chain of title research report on Site ownership;
- Evaluation of on-Site hazardous substances uses, storage, and/or disposal;
- Interaction with applicable municipal, regional, and state agencies to review available records and permits;
- Acquisition and review of a database report summarizing readily-available data from regulatory agencies, in accordance with the requirements of American Standard for Testing and Materials (ASTM) Method E1527-13; and
- Preparation and submittal of this report summarizing the results of Tetra Tech's findings interpretations, and opinions.

## **2.0 SITE DESCRIPTION**

### **2.1 LOCATION AND PARCEL DESCRIPTION**

The approximate 13-acre Site is located south of Vaughn Road and west of Highway 113 in the City of Dixon, Solano County, California and is identified by Solano County Assessor's Parcel Numbers (APNs) 108-110-450 and 108-110-460. The Solano County Assessor's map, taken from the County's website is provided below in Figure 2-1. The legal description for the parcel is provided in Appendix C.



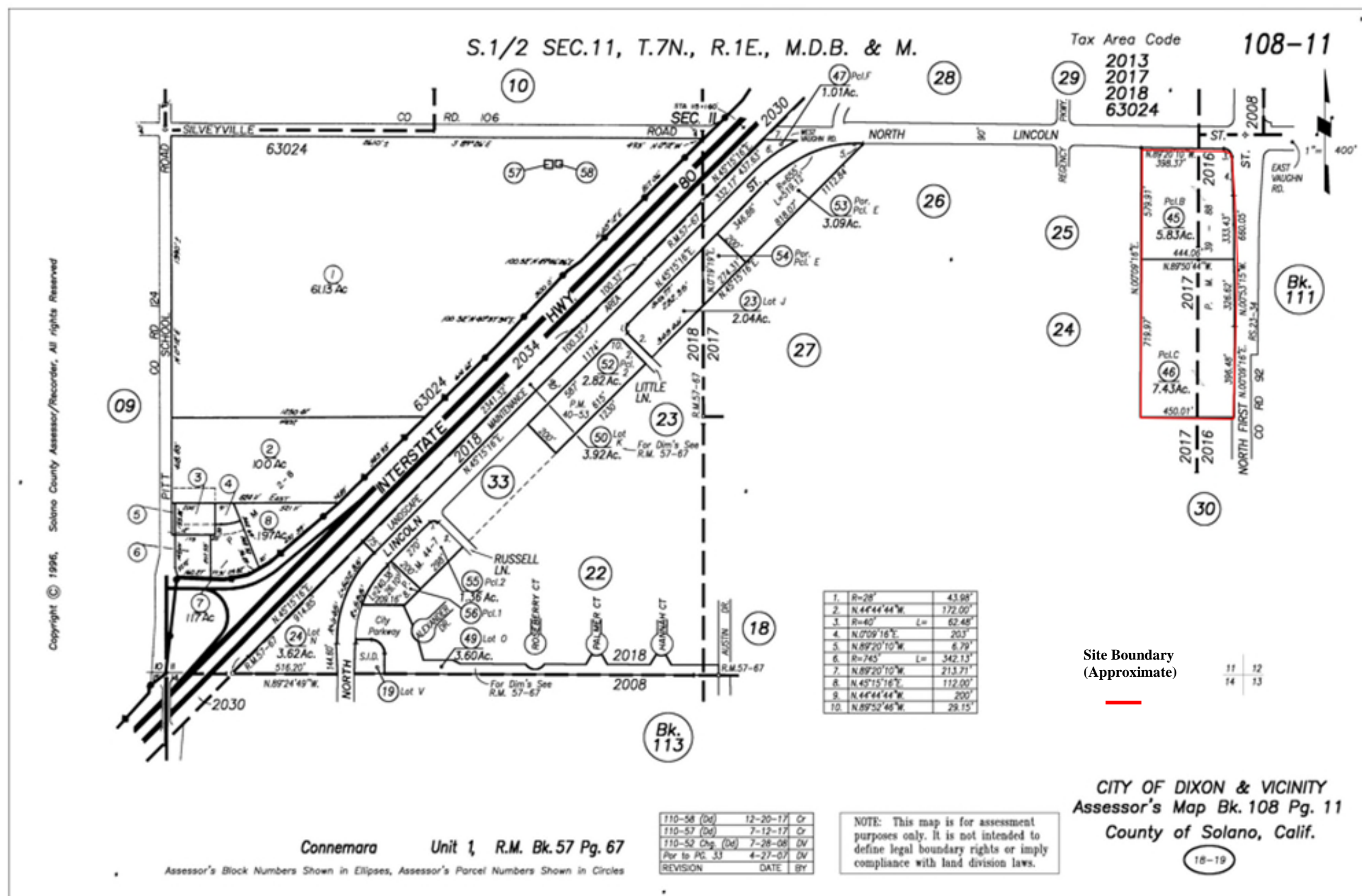


Figure 2-1 Assessor's Parcel Map showing Site Boundary (Approximate) in Red Border

**2.2 CURRENT USE OF THE PROPERTY**

The Site is vacant and mostly covered by seasonal grasses. No habitable structures are currently located within the Site.

**2.3 SITE IMPROVEMENTS**

Concrete sidewalks, underground utilities, and street lights line the northern and eastern boundaries of the Site. A masonry wall occupies the western boundary of the Site. There are no other improvements within the boundaries of the Site.

**2.4 CURRENT USES OF THE ADJOINING PROPERTIES**

The current uses of the adjoining parcels are outlined in Table 2-1 below:

**Table 2-1 Current Uses of the Adjoining Properties**

<b>Direction from Site</b>	<b>Adjoining Property Use</b>
North	Vaughn Road followed by vacant land, an office building, a hotel, a residential subdivision, and a retail gasoline station
East	Highway 113 followed by Tractor Supply (including fertilizer storage tanks), Les Schwab Tire, a retail gasoline station, and a large warehouse
South	Commercial buildings, vacant land, and a residential subdivision
West	Residential subdivisions

### **3.0 USER-PROVIDED INFORMATION**

#### **3.1 TITLE RECORDS/INFORMATION**

Tetra Tech was provided a Preliminary Title Report issued by Chicago Title Company dated 16 May 2019. The document identified the Duffel Financial and Construction Company, as the current owners of the Site. A copy of the Preliminary Title Report can be found in Appendix C of this report.

#### **3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS**

There are no known environmental liens or activity and use limitations associated with the Site listed in the Preliminary Title report listed in Section 3.1 of this report.

#### **3.3 OWNER, PROPERTY MANAGER AND SITE MANAGER INFORMATION**

Site Owner Representative: J. Dennis McQuaid, Hanson Bridgett LLP: [DMcQuaid@hansonbridgett.com](mailto:DMcQuaid@hansonbridgett.com)

## 4.0 RECORDS REVIEW

During the course of this assessment, the following agencies were contacted, or their databases were searched for records pertaining to the Site:

- State of California Department of Toxic Substances Control (DTSC);
- California State Water Resources Control Board (SWRCB);
- United States Geological Survey (USGS);
- United States Environmental Protection Agency (EPA); and
- Solano County Resource Management Department.

### 4.1 COUNTY RECORDS REVIEW

Tetra Tech staff contacted Solano County Resource Management Department regarding local governmental activities within the Site. A response had not been received at the time this report was published.

### 4.2 DEPARTMENT OF TOXICS SUBSTANCES CONTROL RECORDS REVIEW

Tetra Tech contacted the State of California, Environmental Protection Agency, Department of Toxic Substances Control (DTSC) on 04 July 2019 through the Envirostor database. Envirostor is a geographic information system (GIS) maintained by DTSC that provides online access to environmental data at the Internet address <http://www.envirostor.dtsc.ca.gov>. A review of the map interface found no cases associated with the Site. The facilities mapped on nearby parcels are discussed in Section 4.3 of this report and follow on Figure 4-1 and Table 4-1.

### 4.3 STANDARD ENVIRONMENTAL RECORD SOURCES FROM ENVIRONMENTAL DATA RESOURCES (EDR)

Tetra Tech procured and reviewed a computer-generated database report from EDR (Appendix A). A review of databases and files from federal, state, and local environmental regulatory agencies was conducted to identify use, generation, storage, treatment or disposal of hazardous materials and chemicals, or release incidents of such materials which may impact the Site. The databases discussed in the following section address ASTM requirements. Additional federal and state databases were reviewed. Please refer to Appendix A for a detailed listing.

Federal records reviewed included: Department of Transportation, Office of Pipeline Safety Incident and Accident Data (DOT OPS); National Priorities List (NPL); Delisted NPL, Proposed NPL; Federal Superfund Liens (NPL RECOVERY); Comprehensive Environmental Response; Compensation and Liability Information System (CERCLIS); CERCLIS-NFRAP (No Further Remedial Action Planned); Corrective Action Report (CORRACTS); Resource Conservation and Recovery Act (RCRA) lists including RCRA-TSDF (Treatment Storage and Disposal Facilities); LQG (Large Quantity Generator), Conditionally Exempt Small Quantity Generators (CESQGs), NonGen (Non Generators), and SQG (Small Quantity Generator); Brownfields; Institutional Controls database (US INST CONTROL); Emergency Response Notification System (ERNS); Hazardous Materials Information Reporting System (HMIRS); Engineering Controls Sites List (US ENG CONTROLS); Department of Defense Sites (DOD); Formerly Used Defense Sites (FUDS); Superfund Consent Decrees (CONSENT); Records Of Decision (ROD); Uranium Mill Tailings Sites (UMTRA); Open Dump Inventory (ODI); Toxic Chemical Release Inventory System (TRIS); Toxic Substances Control Act (TSCA); Section 7 Tracking Systems (SSTS); Integrated Compliance

Information System (ICIS); Radiation Information Database (RADINFO); Clandestine Drug Labs (CDL); Land Use Control Information System (LUCIS); PCB Activity Database System (PADS); Material Licensing Tracking System (MLTS); Mines Master Index File (MINES); Facility Index System/Facility Registry System (FINDS); and RCRA Administrative Action Tracking System (RAATS).

State records reviewed include: MCS (Military Cleanup Sites listing); LDS (Land Disposal Sites listing); TOXIC PITS (Toxic Pits Cleanup Act Sites list), HIST CAL-SITES (the Calsites Database); HAULERS (registered waste tire haulers listing); SLIC (Statewide list of Spills, Leaks, Investigations, and Cleanup); Bond Expenditure Plan (BEP); HIST Cal-Sites; ENVIROSTOR; California Hazardous Materials Incident Report System (CHMIRS); LIENS (Environmental Liens Listings); Cortese; Notify 65; Toxic Pits; Solid Waste Information System (SWIS); Waste Management Unit Database (WMUDS) and Solid Waste Assessment Test (SWAT); Underground Storage Tank (UST) databases; Leaking UST (LUST); Spills, Leaks, Investigations, and Cleanups (SLIC); Voluntary Cleanup Plan (VCP); Deed Restriction Listings (DEED); School Property Evaluation Program (SCH); Waste Discharge System (CA WDS); Recycler Database (SWRCY); Facility Inventory Database (CA FID UST); Hazardous Substance Storage Container Database (HIST UST); Aboveground Petroleum Storage Tank Facilities (AST); SWEEPS UST Listing; Cleaner Facilities (DRYCLEANERS); Well Investigation Program Case List (WIP); Clandestine Drug Labs (CDL); State Response Sites (RESPONSE); Facility and Manifest Data (HAZNET); Emissions Inventory Data (EMI); and equivalent Tribal and county records.

Proprietary records reviewed include: EDR Proprietary Manufactured Gas Plants; EDR Proprietary Historic Gas Stations; and EDR Proprietary Historic Dry Cleaners.

Included in the EDR report is an orphan (i.e. unlocatable/unmappable) summary. This summary lists facilities that are contained on one of the above referenced databases or lists, but for which complete or accurate geographic data was not available. For the Site, no records were found in the EDR inquiry.

The inspection of the adjoining properties from curbside and a review of the EDR database report found the Ramos Oil facility and with Wilbur-Ellis facility located southeast of the Site (along the east side of Highway 113). The Ramos Oil facility has impacted groundwater with petroleum hydrocarbons and the John Taylor Fertilizer-Wilbur-Ellis facility has impacted groundwater with nitrates (fertilizer). These facilities are under regulatory oversight from the Central Valley Regional Water Quality Control Board (CVRWQCB). The groundwater plumes from these facilities are documented as having been comingled and flowing southeast.

A map of the EDR database locations is provided in Figure 4-1, and the corresponding database information is provided in Table 4-1.

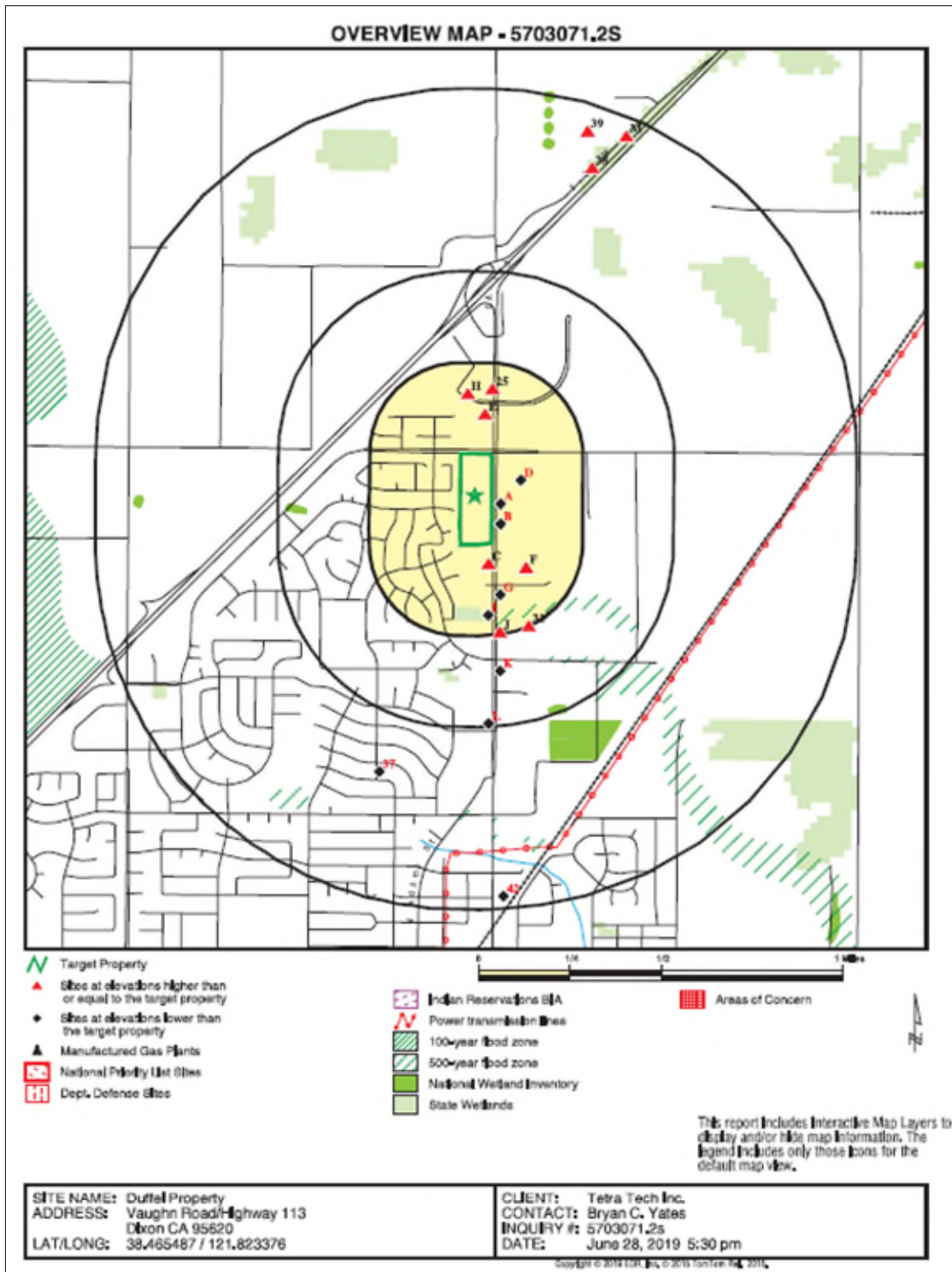


Figure 4-1 Overview Map of Environmental Database Query Results (EDR)

Table 4-1 EDR Environmental Database Query Results

Database	Distance (miles) / Direction from Site	Map ID #	Site Name	Equal (E), Higher (H), or Lower (L) Elevation	Address
RCRA NonGen/NLR CERS HAZ WASTE HAZNET	0.024/ESE	Multiple	Les Schwab Tire Centers	L	1920 N 1 <sup>st</sup> Street
LUST Cortese EMI HIST CORTESE CERS UST SWEEPS UST HIST UST CHMIRS NPDES WDS CIWQS AST CERS HAZ WASTE CERS TANKS	0.024/SE	Multiple	Ramos Oil Company (Shell)	L	1900 North First Street
CERS HAZ WASTE CERS RCRA NonGen/NLR	0.055/SSE	Multiple	Dependable Heating and A/C	H	1855 N 1 <sup>st</sup> Street
CERS HAZ WASTE CERS RCRA NonGen/NLR	0.080/ENE	Multiple	Tractor Supply Store #1180	L	2000 N 1 <sup>st</sup> Street
CERS HAZ WASTE HAZNET CERS RCRA NonGen/NLR	0.080/SSE	Multiple	Dollar Tree	H	1700 N 1 <sup>st</sup> Street
CERS HAZ WASTE CERS TANKS CERS UST EDR Hist Auto	0.109/N	Multiple	Sidhu Chevron	H	2599 N 1 <sup>st</sup> Street

Database	Distance (miles) / Direction from Site	Map ID #	Site Name	Equal (E), Higher (H), or Lower (L) Elevation	Address
RCRA-SQG CERS HAZ WASTE CERS LUST CPS-SLIC UST SWEEPS UST HIST CORTESE NPDES	0.116/SE	Multiple	John Taylor-Wilbur Ellis Company	H	1850 N 1 <sup>st</sup> Street
RCRA NonGen/NLR HAZNET CERS HAZ WSATE CERS	0.143/SSE	Multiple	Autozone	L	1650 N 1 <sup>st</sup> Street
UST CERS HAZ WASTE CERS TANKS CERS	0.165/N	Multiple	Valero Dorset (multiple)	H	170 Dorset Drive
LUST HIST CORTESE CERS	0.179/N	25	Chevron #9-1605	H	2705 1 <sup>st</sup> Street N
RCRA NonGen/NLR	0.195/S	I26	Block Ind Inc. DBA Dixon Hardware and Lumber	L	1505 N 1 <sup>st</sup> Street
HIST CORTESE	0.199/SSE	I27	Ramos Cardlock & Bulk Fac	L	1600 1 <sup>st</sup>
UST HIST UST SWEEPS UST	0.244/S	Multiple	Global Rental Co (Multiple)	H	1450 N 1 <sup>st</sup> Street
RCRA-SQG	0.249/SSE	31	Tipton J Woodwork Inc	H	Industrial Way



Database	Distance (miles) / Direction from Site	Map ID #	Site Name	Equal (E), Higher (H), or Lower (L) Elevation	Address
RCRA-SQG LUST UST SWEEPS UST HIST UST FINDS ECHO EMI HIST CORTESE	0.350/S	K32	Ron Dupratt Ford	L	1320 N 1st Street
LUST HIST CORTESE CERS	0.385/S	K33	LIAL Development	L	1205 1st Street
LUST HIST CORTESE CERS HIST UST Notify 65	0.491/S	Multiple	Beacon (Multiple)	L	1105 1st Street
ENVIROSTOR SCH	0.660/SSW	37	North Elementary School	L	Pembroke Way/Fountain Way/Bell Drive
Notify 65	0.833/NNE	38	Ike's Landscaping	H	6647 Milk Farm Road
LUST HIST CORTESE Notify 65	0.925/NNE	39	Morgan's Fruit Stand	H	6646 Milk Farm Road
LUST SWEEPS UST HIST CORTESE Notify 65 CERS	0.940/NNE	40	Texaco Station	H	6615 Milk Farm Road
LUST SWEEPS UST HIST CORTESE Notify 65 CERS	0.948/NNE	41	Abandoned Exxon Station	H	6618 Milk Farm Road

Database	Distance (miles) / Direction from Site	Map ID #	Site Name	Equal (E), Higher (H), or Lower (L) Elevation	Address
Notify 65	0.965/S	42	TY's Electric, Inc.	L	440 North First Street

<b>Notes:</b>	AST CERS HAZ WASTE CERS TANKS CERS CHMIRS CIWQS CORTESE CPS-SLIC ECHO EDR HIST AUTO EMI ENVIROSTOR FINDS HAZNET HIST CORTESE  HIST UST LUST Notify 65 NPDES RCRA-NON GEN/NLR RCRA-SQG SCH SWEEPS UST UST WDS	Aboveground Storage Tank California Environmental Protection Regulated Hazardous Waste Site California Environmental Reporting System Tanks California Environmental Protection Regulated Site  California Integrated Water Quality System Hazardous waste and substances sites list Cleanup fund Sites Enforcement and Compliance History Information Potential gasoline station/filling station/service station Emissions Inventory Data  Facility Index System/Facility Registry System Hazardous material facility manifest and data Sites designated by the State Water Resources Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (CALSITES) Historical UST Registered Database Leaking Underground Storage Tank Listing of Proposition 65 Incidents NPDES Permits Listing Resource Conservation Recovery Act – Non-Generators-No Longer Regulated Resource Conservation Recovery Act - Small Quantity Generator  Statewide Environmental Evaluation and Planning System, Underground Storage Tanks Active underground storage tank facilities Waste Discharge System
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Les Schwab Tire Center (Multiple Variant)

This facility is located at 1920 North 1<sup>st</sup> Street. The facility is reported to have historically generated hazardous waste. The facility status is currently listed as non-generating, so it is no longer regulated.

Ramos Oil-Shell (Multiple Variant)

This facility is located at 1900 North 1<sup>st</sup> Street. The facility is listed as an active retail gasoline station with a leaking underground storage tank that has impacted groundwater. An open remedial action program overseen by the CVRWQCB is in place and groundwater flows to the southeast (away from the Site).

Dependable Heating and A/C (Multiple Variant)

This facility is located at 1855 North 1<sup>st</sup> Street, Unit A. The facility is an active hazardous materials generator. Minor violations in training and documentation compliance were noted in a 2015 regulatory inspection. The facility achieved an immediate return to compliance.

Tractor Supply Store #1180

This facility is located at 2000 N 1st Street. The facility is an active hazardous materials generator. Violations were documented during a 2014 regulatory inspection. The facility achieved a follow-on return to compliance.

Dollar Tree

This facility is located at 1700 North 1<sup>st</sup> Street. The facility is an active hazardous materials generator. Minor violations in training and documentation compliance were noted in a 2014 regulatory inspection. The facility achieved an immediate return to compliance.

Sidhu Chevron

This facility is located at 2599 N 1<sup>st</sup> Street. The facility is an active retail gas station with no reported releases. Several violations have been reported during regulatory inspections relating to labeling, financial responsibility reporting, and other documentation. In each instance, there appears to be a return to compliance.

John Taylor Fertilizer-Wilber Ellis (Multiple Variant)

This facility is located at 1850 N First Street. The facility is a fertilizer storage and sales location that has had a history of leaks from above-ground storage tanks that have impacted groundwater. The impacts to groundwater are currently under regulatory oversight by the CVRWQCB and groundwater flows to the southeast.

Autozone

This facility is located at 1650 North 1<sup>st</sup> Street. The facility is an active hazardous materials generator. Minor violations in training and documentation compliance were noted in a 2014 regulatory inspection. The facility achieved an immediate return to compliance.

Valero Dorset (Multiple Variant)

This facility is located at 170 Dorset Drive. The facility is an active retail gas station with no reported releases. Several violations have been reported during regulatory inspections relating to submission of a business plan, an approved monitoring plan, an approved site map, and other documentation. In each instance there appears to be a return to compliance.

Chevron #9-1605

This facility is reported to be located at 2705 1<sup>st</sup> Street. The facility is an active retail gasoline station that was the location a leaking underground storage tank that affected soil only (gasoline). The facility status is listed as case closed.

Block Ind Inc. DBA Dixon Hardware and Lumber

This facility is located at 1505 N 1<sup>st</sup> Street. The facility is reported to have historically generated hazardous waste. The facility is status is currently listed as non-generating, so it is no longer regulated.

Ramos Cardlock & Bulk Fac

This facility is located at 1600 1<sup>st</sup> Street. No additional information was listed.

Global Rental Co (Multiple Variant)

This facility is located at 1450 North 1<sup>st</sup> Street. The facility is the listed location of three underground fuel storage tanks. No additional details were provided.

Tipton J Woodwork Inc

This facility is located on Industrial Way. The facility is listed as a small quantity generator of hazardous materials. No violations are listed.

Ron Dupratt Ford

This facility is located at 1320 North 1<sup>st</sup> Street. The facility is listed as a small quantity generator of hazardous waste and the location of an underground storage tank that has previously leaked waste oil that impacted soil only. The facility status is listed as case closed.

LIAL Development

This facility is located at 1205 1<sup>st</sup> Street. The facility is listed the location of an underground storage tank that has previously leaked gasoline that impacted soil only. The facility status is listed as case closed.

Beacon (Multiple Variant)

This facility is located at 1105 1<sup>st</sup> Street. The facility is listed the former location of an underground storage tank that has previously leaked gasoline that impacted groundwater. The facility status is listed as case closed.

North Elementary School

This facility is located at the intersections of Pembroke Way, Fountain Way, and Bell Drive. The facility is the listed location of a school site evaluation. The facility status is listed as no further action required.

Ike's Landscaping

This facility is listed in the Proposition 65 database with no other details provided. No incidents, releases, or violations are listed.

Morgan's Fruit Stand

This facility is located at 6646 Milk Farm Road. The facility is listed the former location of an underground storage tank that has previously leaked gasoline that impacted groundwater. The facility status is listed as case closed.

Texaco Station

This facility is located at 6615 Milk Farm Road. The facility is listed the former location of an underground storage tank that has previously leaked gasoline that impacted groundwater. The facility status is listed as case closed.

Abandoned Exxon Station

This facility is located at 6618 Milk Farm Road. The facility is listed the former location of an underground storage tank that has previously leaked gasoline that impacted groundwater. The facility status is listed as case closed.

TY's Electric, Inc.

This facility is listed in the Proposition 65 database with no other details provided. No incidents, releases, or violations are listed.

#### **4.4 ADDITIONAL ENVIRONMENTAL RECORD SOURCES**

GeoTracker is a geographic information system (GIS) maintained by the SWRCB that provides online access to environmental data at the Internet address <http://www.geotracker.swrcb.ca.gov>. GeoTracker is the interface to the Geographic Environmental Information Management System (GEIMS), a data warehouse which tracks regulatory data about underground fuel tanks, fuel pipelines, and public drinking water supplies. GeoTracker and GEIMS were developed pursuant to a mandate by the California State Legislature (Assembly Bill 592, Senate Bill 1189) to investigate the feasibility of establishing a statewide GIS for leaking underground storage tank (LUST) sites. GEIMS can store extensive data related to LUST sites, or any other contaminant release. In addition, GEIMS is used to store and display information from various agencies including water quality information, water use information, and infrastructure data needed to assess both water supplies and contaminant sites. For the SWRCB's groundwater quality assessment goal, GEIMS has been populated with LUST and fuel pipelines for California. Site information from the Spills, Leaks, Investigations, and Cleanups (SLIC) Program is also included in GeoTracker.

Tetra Tech performed a spatial query of GeoTracker on 03 July 2019. Two GeoTracker facilities (active or closed) were located within the immediate vicinity of the Site (both active). The facilities are Shell-Ramos Oil and John Taylor Fertilizers (Wilbur Ellis) which are summarized in Section 4.3 of this report.

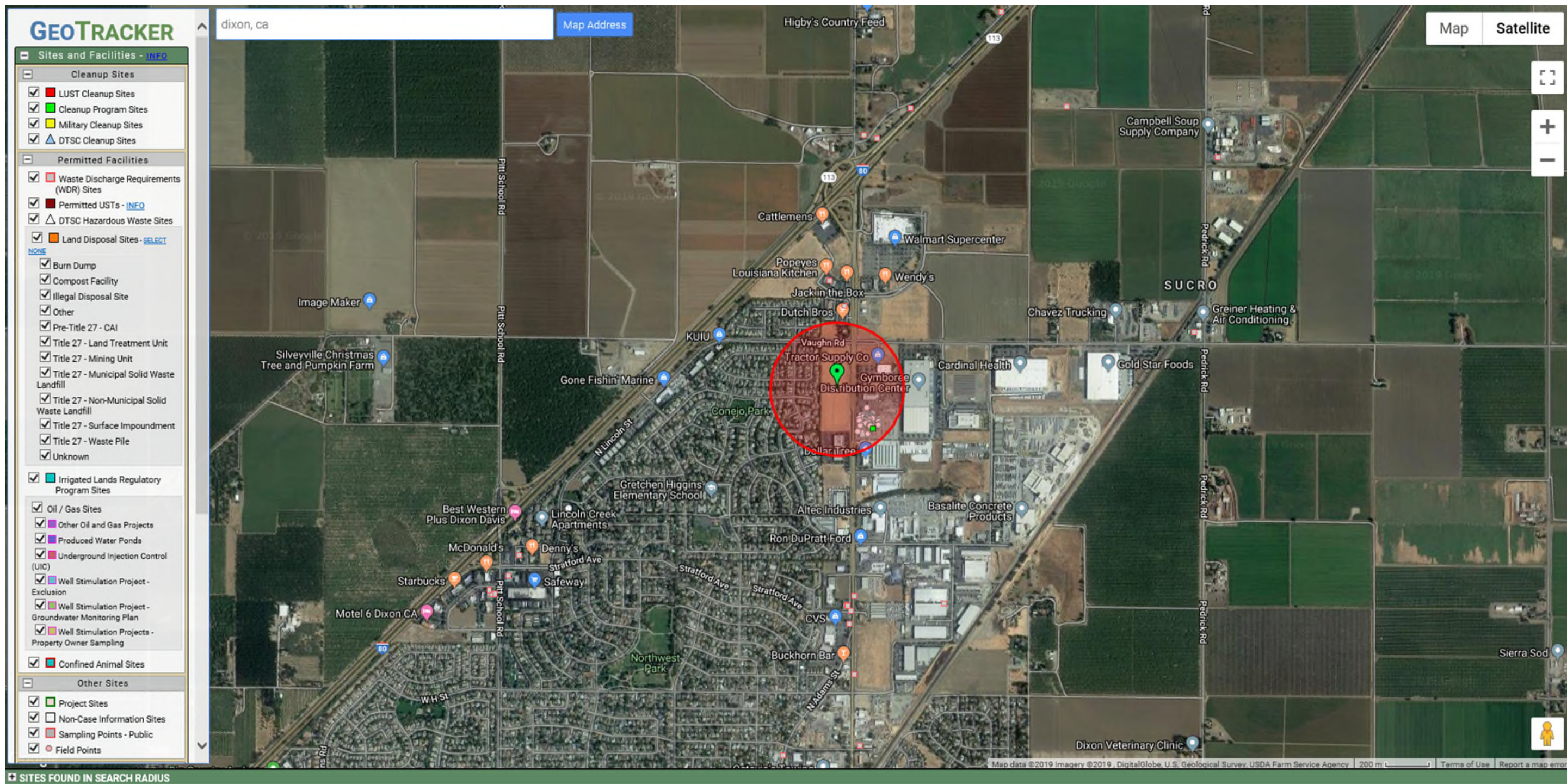


Figure 4-2 GeoTracker Site Inquiry Map

#### **4.5 PHYSICAL SETTING SOURCE(S)**

Appendix B contains aerial Site photographs provided by EDR. All aerial photographs were reviewed for evidence of previous activities that may have contributed to on-Site contamination. A summary of aerial photographic review can be found in Table 4-2 Aerial Photographic History Comments. The most current aerial photographs provided by EDR is shown in Figure 4-3.

Appendix B also contains historic topographic maps provided by EDR. Each of the historic topographic maps were reviewed for evidence of previous activities that may have contributed to on-Site contamination. A summary of the historic topographic map review can be found in Table 4-3. The most current topographic map provided by EDR is shown in Figure 4-4.



Table 4-2 Aerial Photographic History Comments

Year Reviewed	Site Use	Surrounding Property Use
1937	No structures or improvements are visible within the Site. Ground markings within the Site are consistent with irrigated agriculture.	Ground markings immediately north, south, and west of the Site are also consistent with irrigated agriculture. A road consistent with Highway 113 is visible immediately east of the Site. Ground markings consistent with dry crop harvest patterns are visible east of Highway 113.
1952	Conditions within the Site are generally consistent with those observed on the 1937 aerial photograph.	A tree lined road consistent with Vaughn Road is visible immediately north of the Site. Numerous small and medium-size structures are visible in the vicinity of the Site. A divided highway is visible less than ½-mile west of the Site consistent with the present-day Interstate 80. Ground markings within the vicinity of the Site continue to be generally agricultural in nature.
1968	A small area with parked vehicles is visible within the northeastern corner of the Site. The remaining conditions are generally consistent within those previously described.	Numerous additional buildings are now visible within the vicinity of the Site. Remaining conditions within the surrounding parcels appear to be consistent with those observed on the 1952 aerial photograph.
1974	Conditions within the Site are generally consistent with those observed on the 1968 aerial photograph.	Conditions within the surrounding parcels appear to be consistent with those observed on the 1968 aerial photograph.
1984	Conditions within the Site are generally consistent with those observed on the 1974 aerial photograph.	Numerous additional buildings are now visible within the vicinity of the Site. Remaining conditions within the surrounding parcels appear to be consistent with those observed on the 1974 aerial photograph.
1993	Conditions within the Site are generally consistent with those observed on the 1984 aerial photograph.	Numerous additional buildings are now visible within the vicinity of the Site. A partially completed residential subdivision is visible less than ¼-mile southwest of the Site. Remaining conditions within the surrounding parcels appear to be consistent with those observed on the 1974 aerial photograph.
2006	Conditions within the Site are generally consistent with those	A residential subdivision is visible west of the Site. The previously visible agricultural uses are no longer visible within the immediate vicinity of the Site. Several large commercial and warehouse style

<b>Year Reviewed</b>	<b>Site Use</b>	<b>Surrounding Property Use</b>
	observed on the 1993 aerial photograph.	structures are now visible south, east, and northeast of the Site.
2009	Conditions within the Site are generally consistent with those observed on the 2006 aerial photograph.	Conditions within the surrounding parcels appear to be consistent with those observed on the 2006 aerial photograph.
2012	Conditions within the Site are generally consistent with those observed on the 2009 aerial photograph.	Conditions within the surrounding parcels appear to be consistent with those observed on the 2009 aerial photograph.
2016	Conditions within the Site are generally consistent with those observed on the 2012 aerial photograph.	Conditions within the surrounding parcels appear to be consistent with those observed on the 2012 aerial photograph.

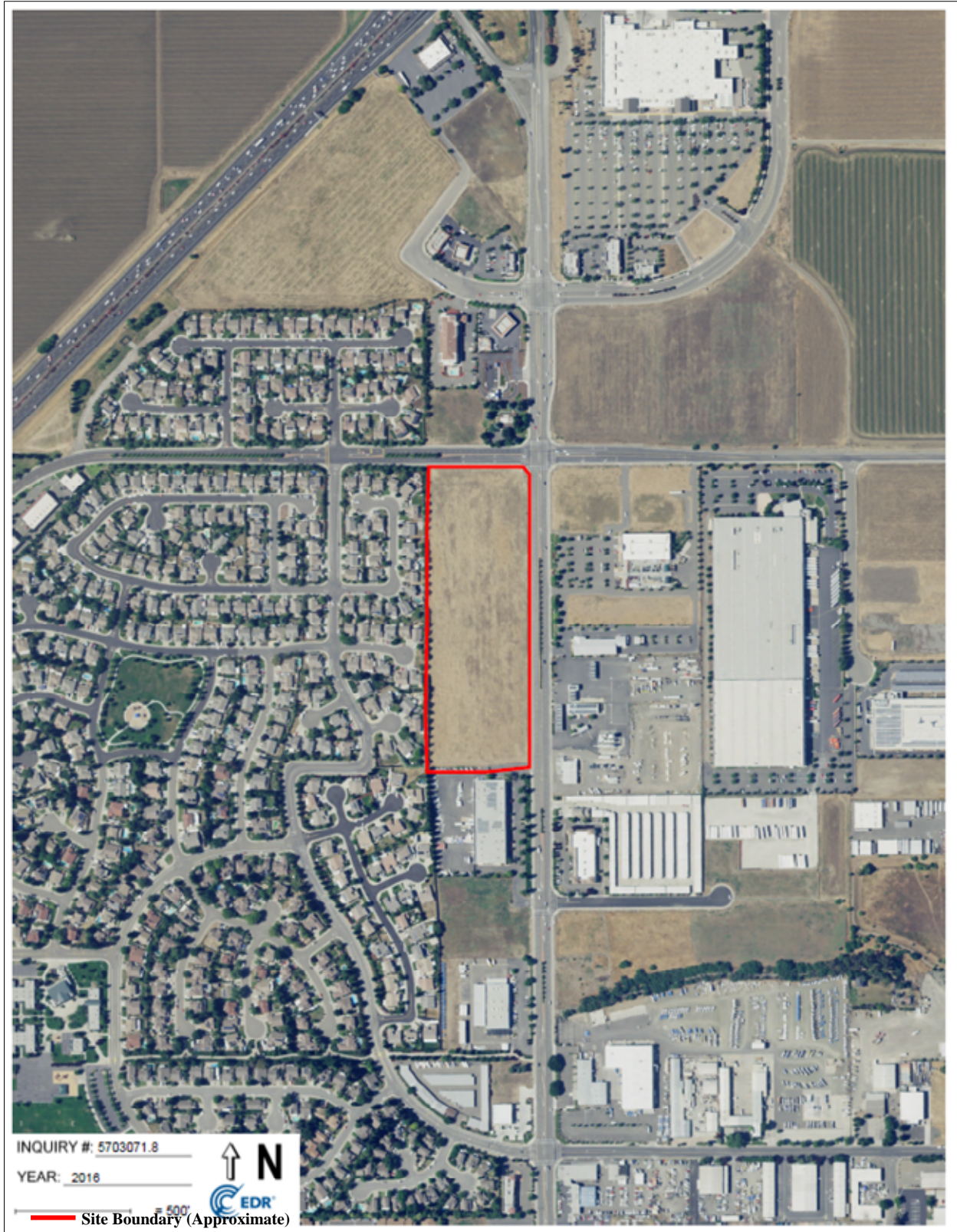


Figure 4-3 Aerial Photograph Dated 2016; Site Perimeter Marked in Red

Table 4-3 Topographic Maps History Comments

Year Reviewed	Site Use	Surrounding Property Use
1908	No improvements or structures are mapped within the Site.	An east-west oriented road is mapped along the approximate northern Site boundary. A north-south oriented road is mapped along the approximate eastern Site boundary. A small number of scattered small structures are mapped within the vicinity of the Site. The town of Dixon is mapped less than ½-mile south of the Site.
1916	No significant changes are mapped within the Site.	No significant changes are mapped within the vicinity of the Site.
1952	No significant changes are mapped within the Site.	An unimproved dirt road (east-west oriented) is now mapped along the approximate southern Site boundary. A small reservoir is mapped less than ¼-mile west of the southwestern corner of the Site. A multi-lane divided highway is mapped in the present-day location of Interstate 80 less than ½-mile west of the Site. Numerous additional small structures are now mapped within the vicinity of the Site.
1953	No significant changes are mapped within the Site.	No significant changes are mapped within the vicinity of the Site.
1968	No significant changes are mapped within the Site.	Numerous additional structures including medium-size structures are now mapped northeast and southeast of the Site. The town of Dixon is now mapped as expanding north toward the Site.
1975	No significant changes are mapped within the Site.	No significant changes are mapped within the vicinity of the Site.
1981	No significant changes are mapped within the Site.	No significant changes are mapped within the vicinity of the Site.
2012	No significant changes are mapped within the Site	Much of the mapped details regarding structures within the vicinity have been removed. Streets consistent with a residential subdivision are mapped northwest, west, and southwest of the Site.

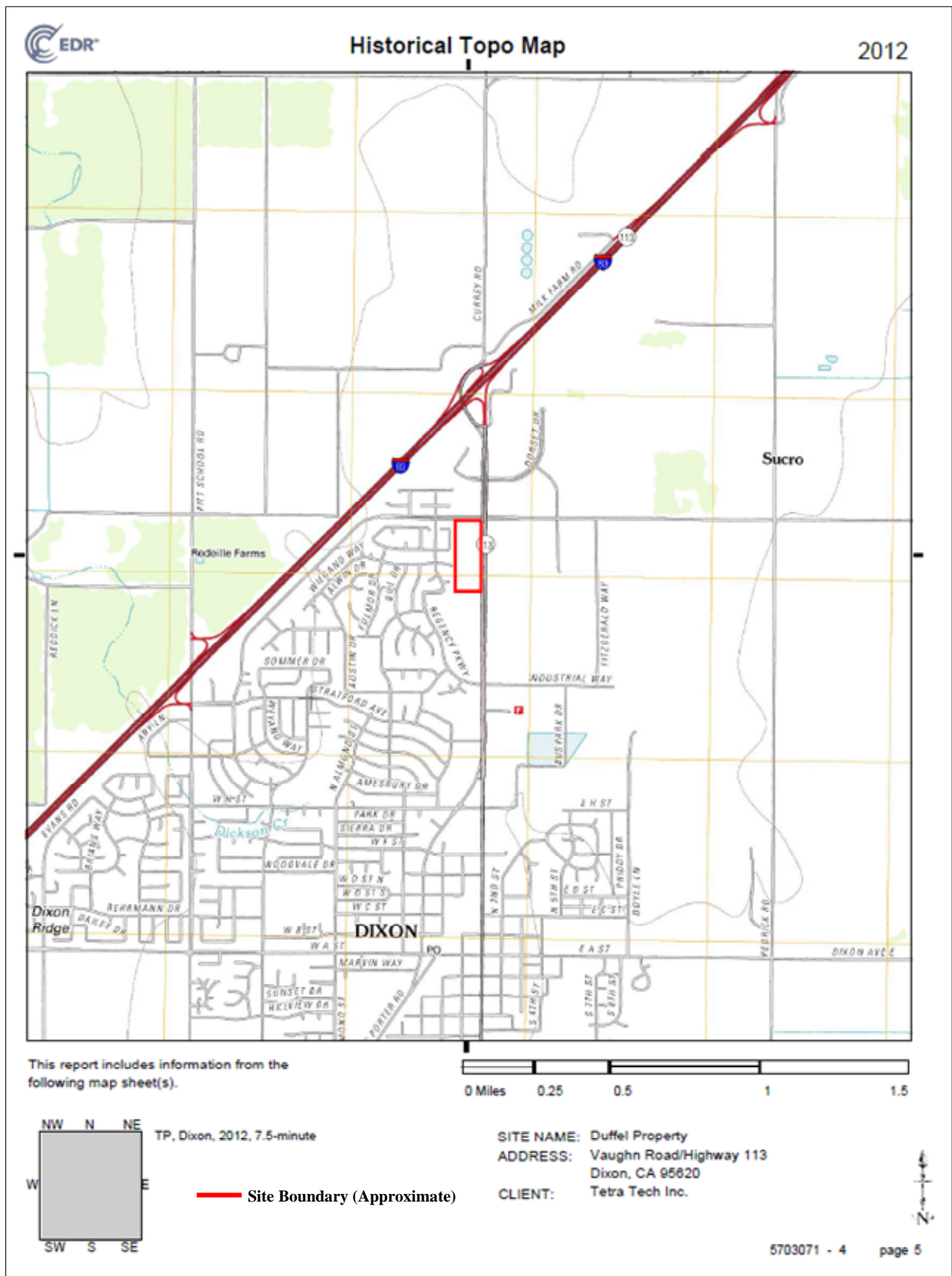


Figure 4-4 Topographic Photograph Dated 2012; Site Perimeter Marked in Red

#### **4.6 HISTORICAL SITE USE**

Based on interviews and the documents reviewed and summarized above, the Site uses appear to have remained undeveloped land.

#### **4.7 PREVIOUS ENVIRONMENTAL DOCUMENTS**

Tetra Tech completed a review of the AEI Consultants, Phase I Environmental Site Assessment of the SWC of North 1<sup>st</sup> Street and Vaughn Road (AEI 2018). The report identified no Recognized Environmental Conditions within the property assessed. The report identified historic agricultural chemical uses (pesticides) as being a potential environmental impairment. summarized four soil boring locations reported to be within or near the proposed development and Site. The report stated that it would be prudent to determine whether or not environmental sampling would be required by the local agency.

## 5.0 SITE RECONNAISSANCE

The reconnaissance conducted by Tetra Tech representatives consisted of a visual inspection of the Site and surrounding area on 1 July 2019. The purpose of the reconnaissance was to evaluate the Site and neighboring properties for potential hazardous substance use, storage, and disposal, including the presence of storage tanks and drum storage, asbestos-containing materials, lead-based paint, and/or evidence of soil staining, stressed vegetation, ponds, pits, sumps, and suspicious odors, or any other condition indicative of potential contamination. Photographs were taken of the Site and adjoining properties to document current conditions. These photographs can be found in Appendix D.

The Site reconnaissance was conducted by walking the accessible areas of the Site and viewing the adjoining properties.

**Table 5-1 Targeted Observations Found on the Property**

Targeted Observation	Present	Not Present
Hazardous or Solid Waste		X
Storage Tanks or Drum Storage		X
Monitoring Wells		X
Asbestos-Containing Material		X
Lead-Based Paint		X
Surface Stains/Stressed Vegetation		X
Odors/Pools of Liquids		X
Pesticides/Herbicides		X
Waste Stream Generation, Storage, and Disposal		X

### 5.1 EXTERIOR OBSERVATIONS

The Site was generally covered by green vegetation that had been mowed. Underground utility vaults and conduits were observed along the northern and eastern Site boundaries.

### 5.2 INTERIOR OBSERVATIONS

No structures were located within the Site at the time of the Tetra Tech site reconnaissance.

### **5.3 INTERVIEWS**

Tetra Tech staff attempted to contact and interview the current Site owner, the buyer, and Solano County as outlined in the sections below.

#### **5.3.1 Interview with Site Owner and Manager**

Tetra Tech was provided with the contact information for Mr. Dennis McQuaid of Hanson Bridgett. Mr. McQuaid is the trustee of for the estate of Joe Duffel, the current owner of the Site. Mr. McQuaid stated that Mr. Duffel purchased the Site six or seven years ago and he died in December 2017. The original proposed development within the Site was apartments but was never finalized. Mr. McQuaid stated that there has been no historic land use other than agricultural and that his is aware of no import soil, no material storage or disposal within the Site.

#### **5.3.2 Interview with Buyer**

Tetra Tech staff completed an interview of Mr. Rob White through the use of a questionnaire. On 11 July 2019, Mr. White returned the completed questionnaire and reported that the prior Site use was agricultural and that a previously completed Phase I Environmental Site Assessment was available for review. A summary of the previously completed reports can be found in Section 4.7 of this report.

#### **5.3.3 Interviews with Local Government Officials**

Tetra Tech staff contacted Solano County Resource Management Department regarding local governmental activities within the Site. A response had not been received at the time this report was published.



## **6.0 CONCLUSIONS**

Tetra Tech has performed a Phase I ESA of the Site, in conformance with the general scope and limitations of ASTM Practice E1527-13. The ASTM Standard E1527-13 requires an ESA to include a findings section, which identifies known, suspect, or historical Recognizable Environmental Conditions (RECs). The following presents a list of observations and findings identified during the preparation of this report:

- The Site has remained generally undeveloped dating to 1908;
- Prior to the development surrounding the Site, ground markings within the Site were consistent irrigated agriculture such as row crops; and
- According to the Preliminary Title Report, no environmental liens are associated with the Site.

Tetra Tech identified the following RECs, as defined in ASTM Standard E1527-13, for the Site:

- Irrigated agricultural production within the Site was active at a time when persistent pesticides may have been utilized.

### **Recommendations for Additional Investigations**

Based on the findings and conclusions of this Phase I ESA, Tetra Tech recommends a Phase II Investigation be completed to assess for the potential for persistent pesticides remaining within the near surface-soils within the Site.

## **7.0 DEVIATIONS**

There were no deviations from the ASTM E1527-13 standard.

## **8.0 ADDITIONAL SERVICES**

Phase I ESAs are non-comprehensive by nature and are unlikely to identify all environmental problems or eliminate all risk. The attached report is a qualitative assessment. Tetra Tech offers a range of consulting services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help the user understand and better manage risks associated with the Site. Since such detailed services involve greater expense and time, Tetra Tech asks that our clients participate in the identification of the level of service that will provide them with an acceptable level of risk. This report should not be relied upon after 180 days from the date of issuance, unless additional services are performed, as defined in ASTM E1527-13 Sections 4.7 through 4.7.5.

**9.0 QUALIFICATION(S) OF ENVIRONMENTAL PROFESSIONAL(S)**

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

Signed,

Bryan C. Yates  
Program Manager

A summary of the professional qualifications for each team member can be viewed in Appendix E.

## **10.0           DISCLAIMER**

This report was compiled based partially on information supplied to Tetra Tech from outside sources and other information that is in the public domain. The conclusions and recommendations herein are based solely on the information Tetra Tech obtained in compiling the report. Documentation for the statements made in the report is on file at Tetra Tech's offices in McClellan, California. Tetra Tech makes no warranty as to the accuracy of statements made by others which may be contained in the report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report, except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. Since the facts forming the basis for the report are subject to professional interpretation, differing conclusions could be reached. Tetra Tech does not assume responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of client's obligation under federal, state, or local laws or any modifications or changes to such laws.

None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature but shall be a representation of findings of fact from records examined.

Respectfully submitted,

**TETRA TECH, INC.**

Molly Henderson  
Project Manager

## 11.0 PERSONAL CONTACTS

Contact Information	Dates and Descriptions of Correspondence
<p>Rob White</p> <p>Lewis Management Corp. 9216 Kiefer Boulevard Sacramento, CA 95826</p> <p>Email: <a href="mailto:rob.white@lewismc.com">rob.white@lewismc.com</a></p>	<p>7/11/19 – Mr. John Jewett completed the Site questionnaire for Tetra Tech review and forwarded Site information for current ownership representative.</p>
<p>Dennis McQuaid</p> <p>Hanson Bridgett</p> <p>Telephone: (415) 995-5066</p>	<p>7/8/19 – Mr. Yates contacted Mr. McQuaid regarding his knowledge regarding the history of the Site. Mr. Yates was provided the point of contact for Mr. McQuaid by Mr. White at Lewis Management Corp. listed above.</p>
<p>Solano County Resource Management Department 675 Texas Street, Suite 5500 Fairfield, CA 94533</p> <p>Online Portal: <a href="https://www.solanocounty.com/depts/rm/contact_us.asp">https://www.solanocounty.com/depts/rm/contact_us.asp</a></p>	<p>7/2/19 – Submitted a request via an online portal to the Department requesting a review of all County files associated with the Site. A response to the request had not been received at the time this report was published.</p> <p>Contacted by: Bryan C. Yates</p>

## 12.0 REFERENCES

AEI Consultants

2018 Phase I Environmental Site Assessment, SWC of North 1st Street and Vaughn Road, AEI Project No. 394594

American Society for Testing and Materials International (ASTM International)

2013 *ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.*

State of California Department of Toxic Substances Control (DTSC)

2019 EnviroStor Database. <http://www.envirostor.dtsc.ca.gov/public/>

State Water Resources Control Board (SWRCB)

2019 GeoTracker Database. Regulated facilities in California.  
<http://geotracker.waterboards.ca.gov/>

United States Geological Survey (USGS)

2019 Maps, Imagery, and Publications. <http://www.usgs.gov/>

## **13.0 APPENDICES**

All appendices are also contained electronically on the attached compact disc.

Appendix A – EDR Radius Map Report

Appendix B – EDR Historic Topographic Maps & Aerial Photographs

Appendix C – Source Documents

Appendix D – Site Visit Photos

Appendix E – Professional Qualifications



**Duffel Property**

Vaughn Road/Highway 113  
Dixon, CA 95620

Inquiry Number: 5703071.2s  
June 28, 2019

# The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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# EXECUTIVE SUMMARY

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

## TARGET PROPERTY INFORMATION

### ADDRESS

VAUGHN ROAD/HIGHWAY 113  
DIXON, CA 95620

### COORDINATES

Latitude (North): 38.4654870 - 38° 27' 55.75"  
Longitude (West): 121.8233760 - 121° 49' 24.15"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 602652.3  
UTM Y (Meters): 4257913.0  
Elevation: 67 ft. above sea level

## USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5619702 DIXON, CA  
Version Date: 2012

## AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140606  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
VAUGHN ROAD/HIGHWAY 113  
DIXON, CA 95620

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LES SCHWAB TIRE CENT	1920 N 1ST ST	RCRA NonGen / NLR	Lower	129, 0.024, ESE
A2	LES SCHWAB TIRE CENT	1920 N 1ST ST	CERS HAZ WASTE, HAZNET	Lower	129, 0.024, ESE
B3	RAMOS OIL COMPANY	1900 NORTH 1ST STREE	LUST, Cortese, EMI, HIST CORTESE, CERS	Lower	129, 0.024, SE
B4	RAMOS OIL CO	1900 NORTH 1ST ST	RCRA NonGen / NLR	Lower	129, 0.024, SE
B5	RAMOS OIL CO. INC.	1900 N FIRST ST	LUST, UST, SWEEPS UST, HIST UST, EMI	Lower	129, 0.024, SE
B6	RAMOS OIL CO. INC.	1900 N 1ST ST	HIST UST, CHMIRS, NPDES, WDS, CIWQS, CERS	Lower	129, 0.024, SE
B7	RAMOS OIL - DIXON	1900 N 1ST ST	AST	Lower	129, 0.024, SE
B8	RAMOS OIL - DIXON	1900 N 1ST ST	CERS HAZ WASTE, CERS TANKS, CERS	Lower	129, 0.024, SE
C9	DEPENDABLE HEATING A	1855 N 1ST ST UNIT A	CERS HAZ WASTE, CERS	Higher	290, 0.055, SSE
C10	DEPENDABLE HEATING &	1855 N FIRST ST STE	RCRA NonGen / NLR	Higher	290, 0.055, SSE
D11	TRACTOR SUPPLY STORE	2000 N 1ST ST	CERS HAZ WASTE, CERS	Lower	420, 0.080, ENE
D12	TRACTOR SUPPLY COMPA	2000 N 1ST ST	RCRA NonGen / NLR	Lower	420, 0.080, ENE
C13	DOLLAR TREE #04943	1700 N 1ST ST	CERS HAZ WASTE, HAZNET, CERS	Higher	425, 0.080, SSE
C14	DOLLAR TREE #04943	1700 N 1ST ST	RCRA NonGen / NLR	Higher	425, 0.080, SSE
E15	SIDHU CHEVRON	2599 N 1ST ST	CERS HAZ WASTE, CERS TANKS, CERS	Higher	575, 0.109, North
E16	SIDHU CHEVRON	2599 N 1ST ST	UST	Higher	575, 0.109, North
E17	SIDHU ARCO AM/PM DIX	2599 N 1ST ST	EDR Hist Auto	Higher	575, 0.109, North
F18	WILBUR ELLIS COMPANY	1850 N 1ST ST	RCRA-SQG	Higher	611, 0.116, SE
F19	WILBUR-ELLIS COMPANY	1850 N 1ST ST	CERS HAZ WASTE, CERS	Higher	611, 0.116, SE
F20	WILBUR - ELLIS	1850 N FIRST ST	LUST, CPS-SLIC, UST, SWEEPS UST, HIST CORTESE,...	Higher	611, 0.116, SE
G21	AUTOZONE #3668	1650 N 1ST ST	CERS HAZ WASTE, HAZNET, CERS	Lower	756, 0.143, SSE
G22	AUTOZONE #3668	1650 N 1ST ST	RCRA NonGen / NLR	Lower	756, 0.143, SSE
H23	VALERO DORSET	170 DORSET DR	UST	Higher	871, 0.165, North
H24	DORSET 76	170 DORSET DR	CERS HAZ WASTE, CERS TANKS, CERS	Higher	871, 0.165, North
25	CHEVRON #9-1605	2705 1ST ST N	LUST, HIST CORTESE, CERS	Higher	944, 0.179, North
I26	BOCK IND INC DBA DIX	1505 N 1ST ST	RCRA NonGen / NLR	Lower	1030, 0.195, South
I27	RAMOS CARDLOCK & BUL	1600 1ST	HIST CORTESE	Lower	1053, 0.199, SSE
J28	GLOBAL RENTAL CO	1450 N FIRST ST	UST	Higher	1289, 0.244, South
J29	EMIL ROSSI AND CO	1450 NORTH FIRST ST	SWEEPS UST, HIST UST	Higher	1289, 0.244, South
J30	EMIL ROSSI & CO	1450 N 1ST ST	HIST UST	Higher	1289, 0.244, South
31	TIPTON J WOODWORK IN	INDUSTRIAL WAY	RCRA-SQG	Higher	1314, 0.249, SSE
K32	RON DUPRATT FORD	1320 N 1ST ST	RCRA-SQG, LUST, UST, SWEEPS UST, HIST UST, FINDS,...	Lower	1850, 0.350, South
K33	LIAL DEVELOPMENT (MF	1205 1ST ST N	LUST, HIST CORTESE, CERS	Lower	2035, 0.385, South
L34	BEACON # 3682 (FORME	1105 1ST ST N	LUST, HIST CORTESE, CERS	Lower	2595, 0.491, South
L35	REGAL STATION 513	1105 N FIRST ST	LUST, HIST UST	Lower	2595, 0.491, South
L36	REGAL SERVICE STATIO	1105 NORTH FIRST	Notify 65	Lower	2595, 0.491, South
37	NORTH ELEMENTARY SCH	PEMBROKE WAY/FOUNTAI	ENVIROSTOR, SCH	Lower	3487, 0.660, SSW
38	IKE'S LANDSCAPING	6647 MILK FARM	Notify 65	Higher	4399, 0.833, NNE
39	MORGAN'S FRUIT STAND	6646 MILK FARM RD	LUST, HIST CORTESE, Notify 65	Higher	4882, 0.925, NNE

MAPPED SITES SUMMARY

Target Property Address:  
VAUGHN ROAD/HIGHWAY 113  
DIXON, CA 95620

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">M40</a>	TEXACO STATION	6615 MILK FARM	LUST, SWEEPS UST, HIST CORTESE, Notify 65, CERS	Higher	4961, 0.940, NNE
<a href="#">M41</a>	ABANDONED EXXON STAT	6618 MILK FARM	LUST, SWEEPS UST, HIST CORTESE, Notify 65, CERS	Higher	5008, 0.948, NNE
<a href="#">42</a>	TY'S ELECTRIC, INC.	440 NORTH FIRST STRE	Notify 65	Lower	5097, 0.965, South

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

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

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

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

### ***Federal CERCLIS NFRAP site list***

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

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

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

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

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

## EXECUTIVE SUMMARY

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

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

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

### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfields Sites Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

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

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

### ***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

CDL..... Clandestine Drug Labs

Toxic Pits..... Toxic Pits Cleanup Act Sites

## EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register  
PFAS..... PFAS Contamination Site Location Listing

### **Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database

### **Local Land Records**

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

### **Records of Emergency Release Reports**

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

### **Other Ascertainable Records**

FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
RADINFO..... Radiation Information Database  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
DOT OPS..... Incident and Accident Data  
CONSENT..... Superfund (CERCLA) Consent Decrees  
INDIAN RESERV..... Indian Reservations  
FUSRAP..... Formerly Utilized Sites Remedial Action Program  
UMTRA..... Uranium Mill Tailings Sites  
LEAD SMELTERS..... Lead Smelter Sites  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
US MINES..... Mines Master Index File  
ABANDONED MINES..... Abandoned Mines



## EXECUTIVE SUMMARY

FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
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)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
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.

## EXECUTIVE SUMMARY

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

#### ***Federal RCRA generators list***

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 03/25/2019 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WILBUR ELLIS COMPANY EPA ID:: CAD058777756	1850 N 1ST ST	SE 0 - 1/8 (0.116 mi.)	F18	122
TIPTON J WOODWORK IN EPA ID:: CAD041840042	INDUSTRIAL WAY	SSE 1/8 - 1/4 (0.249 mi.)	31	203

#### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies 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 04/29/2019 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>NORTH ELEMENTARY SCH</i></b> Facility Id: 48010001 Status: No Further Action	<b><i>PEMBROKE WAY/FOUNTAIN</i></b>	<b><i>SSW 1/2 - 1 (0.660 mi.)</i></b>	<b><i>37</i></b>	<b><i>227</i></b>

## EXECUTIVE SUMMARY

### **State and tribal leaking storage tank lists**

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

A review of the LUST list, as provided by EDR, has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WILBUR - ELLIS</b> Database: SOLANO CO. LUST, Date of Government Version: 03/05/2019 Facility Id: 60037 Facility Status: A	<b>1850 N FIRST ST</b>	<b>SE 0 - 1/8 (0.116 mi.)</b>	<b>F20</b>	<b>150</b>
<b>CHEVRON #9-1605</b> Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Completed - Case Closed Status: Case Closed Global Id: T0609500392	<b>2705 1ST ST N</b>	<b>N 1/8 - 1/4 (0.179 mi.)</b>	<b>25</b>	<b>197</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RAMOS OIL COMPANY</b> Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Open - Remediation Status: Remedial action (cleanup) Underway Global Id: T0609500446	<b>1900 NORTH 1ST STREE</b>	<b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B3</b>	<b>12</b>
<b>RAMOS OIL CO. INC.</b> Database: SOLANO CO. LUST, Date of Government Version: 03/05/2019 Facility Id: 60034 Facility Status: A	<b>1900 N FIRST ST</b>	<b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B5</b>	<b>29</b>
<b>RON DUPRATT FORD</b> Database: SOLANO CO. LUST, Date of Government Version: 03/05/2019 Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Completed - Case Closed Status: Case Closed Facility Id: 60038 Global Id: T0609500345 Facility Status: I	<b>1320 N 1ST ST</b>	<b>S 1/4 - 1/2 (0.350 mi.)</b>	<b>K32</b>	<b>204</b>
<b>LIAL DEVELOPMENT (MF)</b> Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Completed - Case Closed Status: Case Closed Global Id: T0609500402	<b>1205 1ST ST N</b>	<b>S 1/4 - 1/2 (0.385 mi.)</b>	<b>K33</b>	<b>215</b>
<b>BEACON # 3682 (FORME)</b> Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Completed - Case Closed	<b>1105 1ST ST N</b>	<b>S 1/4 - 1/2 (0.491 mi.)</b>	<b>L34</b>	<b>217</b>



## EXECUTIVE SUMMARY

Facility Status: I

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RAMOS OIL CO. INC.</b>	<b>1900 N FIRST ST</b>	<b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B5</b>	<b>29</b>
Database: SOLANO CO. UST, Date of Government Version: 03/05/2019 Facility Id: 60034 Facility Status: I				

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 is 1 AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAMOS OIL - DIXON	1900 N 1ST ST	SE 0 - 1/8 (0.024 mi.)	B7	47
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 04/09/2019 has revealed that there are 9 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>DEPENDABLE HEATING A</b>	<b>1855 N 1ST ST UNIT A</b>	<b>SSE 0 - 1/8 (0.055 mi.)</b>	<b>C9</b>	<b>65</b>
<b>DOLLAR TREE #04943</b>	<b>1700 N 1ST ST</b>	<b>SSE 0 - 1/8 (0.080 mi.)</b>	<b>C13</b>	<b>80</b>
<b>SIDHU CHEVRON</b>	<b>2599 N 1ST ST</b>	<b>N 0 - 1/8 (0.109 mi.)</b>	<b>E15</b>	<b>89</b>
<b>WILBUR-ELLIS COMPANY</b>	<b>1850 N 1ST ST</b>	<b>SE 0 - 1/8 (0.116 mi.)</b>	<b>F19</b>	<b>124</b>
<b>DORSET 76</b>	<b>170 DORSET DR</b>	<b>N 1/8 - 1/4 (0.165 mi.)</b>	<b>H24</b>	<b>166</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LES SCHWAB TIRE CENT</b>	<b>1920 N 1ST ST</b>	<b>ESE 0 - 1/8 (0.024 mi.)</b>	<b>A2</b>	<b>9</b>
<b>RAMOS OIL - DIXON</b>	<b>1900 N 1ST ST</b>	<b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B8</b>	<b>48</b>
<b>TRACTOR SUPPLY STORE</b>	<b>2000 N 1ST ST</b>	<b>ENE 0 - 1/8 (0.080 mi.)</b>	<b>D11</b>	<b>72</b>
<b>AUTOZONE #3668</b>	<b>1650 N 1ST ST</b>	<b>SSE 1/8 - 1/4 (0.143 mi.)</b>	<b>G21</b>	<b>156</b>

## EXECUTIVE SUMMARY

### 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 are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WILBUR - ELLIS</b> Comp Number: 60037	<b>1850 N FIRST ST</b>	<b>SE 0 - 1/8 (0.116 mi.)</b>	<b>F20</b>	<b>150</b>
<b>EMIL ROSSI AND CO</b> Comp Number: 60021	<b>1450 NORTH FIRST ST</b>	<b>S 1/8 - 1/4 (0.244 mi.)</b>	<b>J29</b>	<b>201</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RAMOS OIL CO. INC.</b> Status: A Tank Status: A Comp Number: 60034	<b>1900 N FIRST ST</b>	<b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B5</b>	<b>29</b>

### HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>EMIL ROSSI AND CO</b> EMIL ROSSI & CO Facility Id: 00000013711	<b>1450 NORTH FIRST ST</b> 1450 N 1ST ST	<b>S 1/8 - 1/4 (0.244 mi.)</b> S 1/8 - 1/4 (0.244 mi.)	<b>J29</b> J30	<b>201</b> 202
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RAMOS OIL CO. INC.</b> <b>RAMOS OIL CO. INC.</b> Facility Id: 00000010497	<b>1900 N FIRST ST</b> <b>1900 N 1ST ST</b>	<b>SE 0 - 1/8 (0.024 mi.)</b> <b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B5</b> <b>B6</b>	<b>29</b> <b>34</b>

### 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 04/09/2019 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SIDHU CHEVRON</b> <b>DORSET 76</b>	<b>2599 N 1ST ST</b> <b>170 DORSET DR</b>	<b>N 0 - 1/8 (0.109 mi.)</b> <b>N 1/8 - 1/4 (0.165 mi.)</b>	<b>E15</b> <b>H24</b>	<b>89</b> <b>166</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RAMOS OIL - DIXON</b>	<b>1900 N 1ST ST</b>	<b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B8</b>	<b>48</b>

## 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 03/25/2019 has revealed that there are 7 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DEPENDABLE HEATING & EPA ID:: CAL000307817	1855 N FIRST ST STE	SSE 0 - 1/8 (0.055 mi.)	C10	71
DOLLAR TREE #04943 EPA ID:: CAL000377025	1700 N 1ST ST	SSE 0 - 1/8 (0.080 mi.)	C14	88

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LES SCHWAB TIRE CENT EPA ID:: CAL000357810	1920 N 1ST ST	ESE 0 - 1/8 (0.024 mi.)	A1	8
RAMOS OIL CO EPA ID:: CAL000148966	1900 NORTH 1ST ST	SE 0 - 1/8 (0.024 mi.)	B4	28
TRACTOR SUPPLY COMPA EPA ID:: CAL000324890	2000 N 1ST ST	ENE 0 - 1/8 (0.080 mi.)	D12	78
AUTOZONE #3668 EPA ID:: CAL000418687	1650 N 1ST ST	SSE 1/8 - 1/4 (0.143 mi.)	G22	163
BOCK IND INC DBA DIX EPA ID:: CAL000374191	1505 N 1ST ST	S 1/8 - 1/4 (0.195 mi.)	I26	199

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 03/25/2019 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RAMOS OIL COMPANY</b> Cleanup Status: OPEN - REMEDIATION	<b>1900 NORTH 1ST STREE</b>	<b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B3</b>	<b>12</b>

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 [CAL SITES]. 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 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WILBUR - ELLIS</b>	<b>1850 N FIRST ST</b>	<b>SE 0 - 1/8 (0.116 mi.)</b>	<b>F20</b>	<b>150</b>

## EXECUTIVE SUMMARY

Reg Id: 480137				
<b>CHEVRON #9-1605</b>	<b>2705 1ST ST N</b>	<b>N 1/8 - 1/4 (0.179 mi.)</b>	<b>25</b>	<b>197</b>
Reg Id: 480144				
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
<b>RAMOS OIL COMPANY</b>	<b>1900 NORTH 1ST STREE</b>	<b>SE 0 - 1/8 (0.024 mi.)</b>	<b>B3</b>	<b>12</b>
Reg Id: 480210				
RAMOS CARDLOCK & BUL	1600 1ST	SSE 1/8 - 1/4 (0.199 mi.)	I27	200
Reg Id: 480217				
<b>RON DUPRATT FORD</b>	<b>1320 N 1ST ST</b>	<b>S 1/4 - 1/2 (0.350 mi.)</b>	<b>K32</b>	<b>204</b>
Reg Id: 480067				
<b>LIAL DEVELOPMENT (MF)</b>	<b>1205 1ST ST N</b>	<b>S 1/4 - 1/2 (0.385 mi.)</b>	<b>K33</b>	<b>215</b>
Reg Id: 480159				
<b>BEACON # 3682 (FORME)</b>	<b>1105 1ST ST N</b>	<b>S 1/4 - 1/2 (0.491 mi.)</b>	<b>L34</b>	<b>217</b>
Reg Id: 480043				

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 03/18/2019 has revealed that there are 6 Notify 65 sites within approximately 1 mile of the target property.

<b>Equal/Higher Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
IKE'S LANDSCAPING	6647 MILK FARM	NNE 1/2 - 1 (0.833 mi.)	38	231
<b>MORGAN'S FRUIT STAND</b>	<b>6646 MILK FARM RD</b>	<b>NNE 1/2 - 1 (0.925 mi.)</b>	<b>39</b>	<b>231</b>
TEXACO STATION	6615 MILK FARM	NNE 1/2 - 1 (0.940 mi.)	M40	238
<b>ABANDONED EXXON STAT</b>	<b>6618 MILK FARM</b>	<b>NNE 1/2 - 1 (0.948 mi.)</b>	<b>M41</b>	<b>247</b>
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
REGAL SERVICE STATIO	1105 NORTH FIRST	S 1/4 - 1/2 (0.491 mi.)	L36	227
TY'S ELECTRIC, INC.	440 NORTH FIRST STRE	S 1/2 - 1 (0.965 mi.)	42	250

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR Hist Auto: 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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto



## EXECUTIVE SUMMARY

site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SIDHU ARCO AM/PM DIX	2599 N 1ST ST	N 0 - 1/8 (0.109 mi.)	E17	122

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

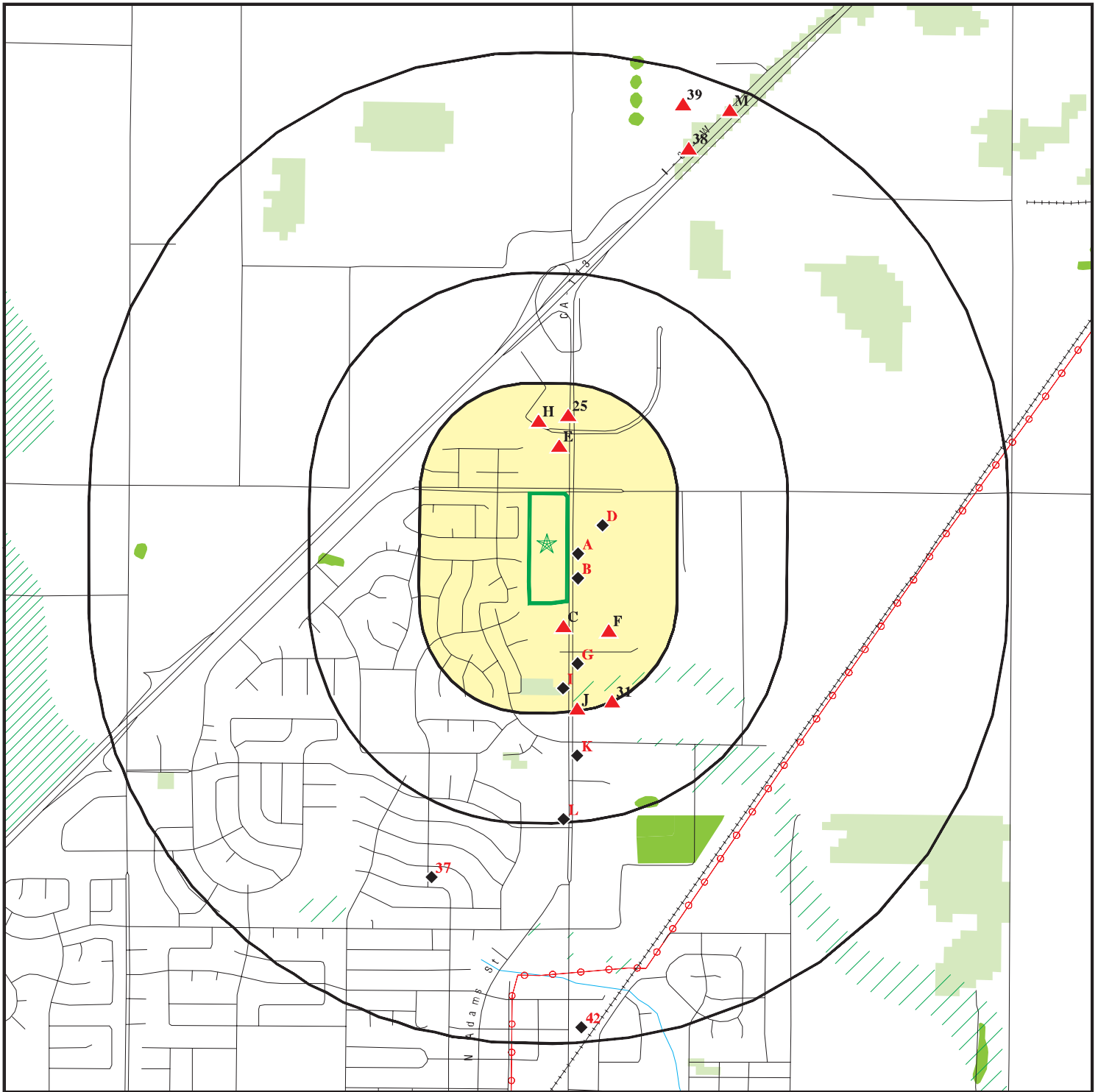
Site Name

Database(s)

SANDERS PROPERTY\*\*

CPS-SLIC

# OVERVIEW MAP - 5703071.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

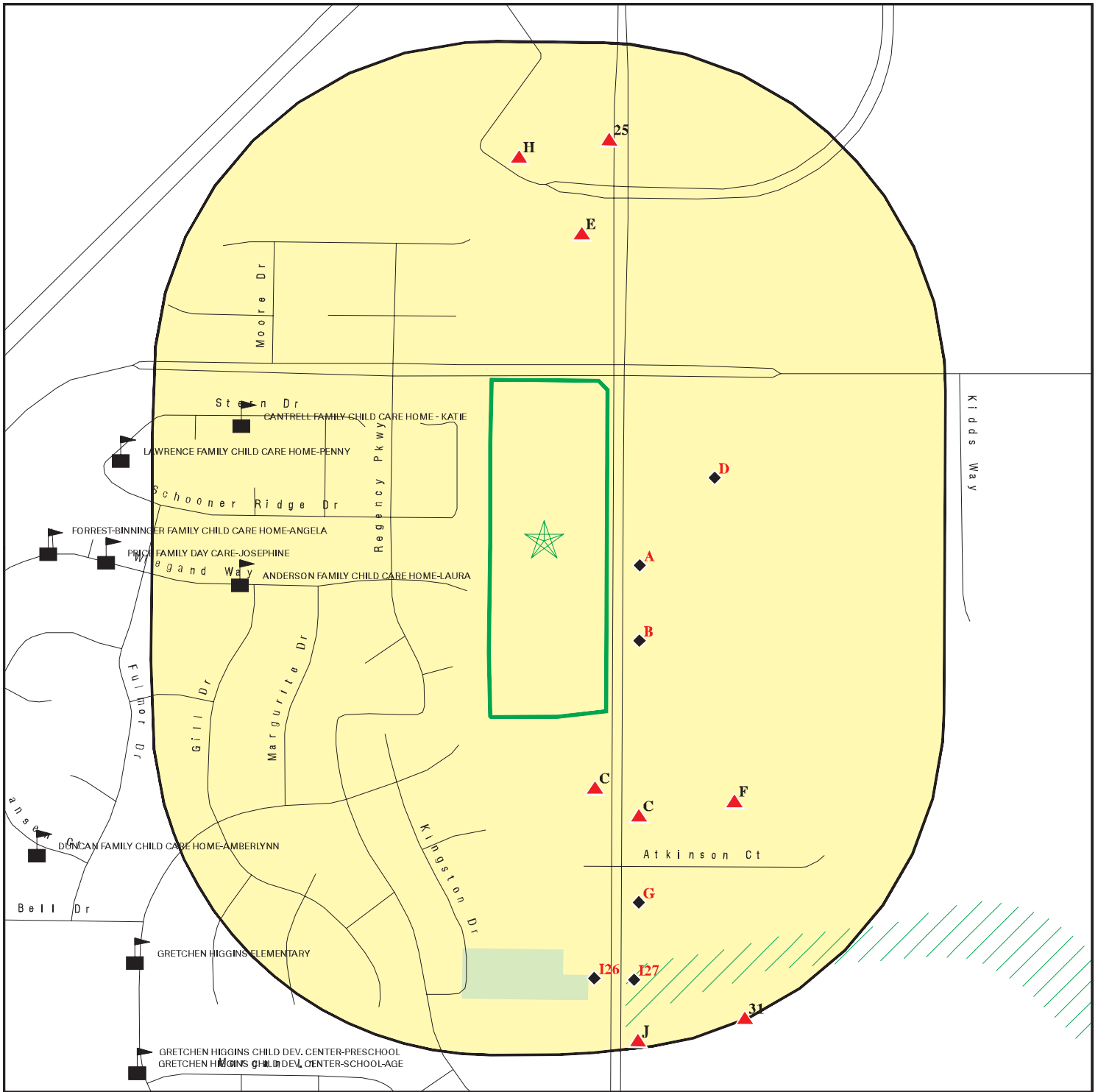
Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Duffel Property  
 ADDRESS: Vaughn Road/Highway 113  
 Dixon CA 95620  
 LAT/LONG: 38.465487 / 121.823376

CLIENT: Tetra Tech Inc.  
 CONTACT: Bryan C. Yates  
 INQUIRY #: 5703071.2s  
 DATE: June 28, 2019 5:30 pm

# DETAIL MAP - 5703071.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Duffel Property  
 ADDRESS: Vaughn Road/Highway 113  
 Dixon CA 95620  
 LAT/LONG: 38.465487 / 121.823376

CLIENT: Tetra Tech Inc.  
 CONTACT: Bryan C. Yates  
 INQUIRY #: 5703071.2s  
 DATE: June 28, 2019 5:33 pm

## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
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
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	0	0	1	NR	1
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		3	1	4	NR	NR	8

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		1	0	0	NR	NR	1
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	2	NR	NR	NR	5
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		7	2	NR	NR	NR	9
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		2	1	NR	NR	NR	3
HIST UST	0.250		2	2	NR	NR	NR	4
CERS TANKS	0.250		2	1	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		5	2	NR	NR	NR	7
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	0	0	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0





Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

A1  
ESE  
< 1/8  
0.024 mi.  
129 ft.

LES SCHWAB TIRE CENTERS OF CA, INC.  
1920 N 1ST ST  
DIXON, CA 95620

RCRA NonGen / NLR 1024827636  
CAL000357810

Site 1 of 2 in cluster A

Relative:  
Lower

RCRA NonGen / NLR:

Actual:  
66 ft.

Date form received by agency: 10/06/2010  
Facility name: LES SCHWAB TIRE CENTERS OF CA, INC.  
Facility address: 1920 N 1ST ST  
DIXON, CA 95620  
EPA ID: CAL000357810  
Mailing address: 20900 COOLEY RD  
PO BOX 5350  
BEND, OR 97701  
Contact: SCOTT KNUTZ  
Contact address: PO BOX 5350  
BEND, OR 97708  
Contact country: Not reported  
Contact telephone: 541-416-5514  
Contact email: SCOTT.W.KNUTZ@LESSCHWAB.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SCOTT KNUTZ  
Owner/operator address: PO BOX 5350  
BEND, OR 97708  
Owner/operator country: Not reported  
Owner/operator telephone: 541-416-5514  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
Owner/operator name: LES SCHWAB INC  
Owner/operator address: 20900 COOLEY RD PO BOX 5350  
BEND, OR 97701  
Owner/operator country: Not reported  
Owner/operator telephone: 541-447-4136  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LES SCHWAB TIRE CENTERS OF CA, INC. (Continued)**

**1024827636**

Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**A2  
 ESE  
 < 1/8  
 0.024 mi.  
 129 ft.**

**LES SCHWAB TIRE CENTERS OF CA, INC.  
 1920 N 1ST ST  
 DIXON, CA 95620**

**CERS HAZ WASTE S113160285  
 HAZNET N/A**

**Site 2 of 2 in cluster A**

**Relative:  
 Lower**

CERS HAZ WASTE:

**Actual:  
 66 ft.**

Site ID: 434700  
 CERS ID: 10421830  
 CERS Description: Hazardous Waste Generator

Coordinates:

Site ID: 434700  
 Facility Name: Les Schwab Tire Center #678  
 Env Int Type Code: HWG  
 Program ID: 10421830  
 Coord Name: Not reported  
 Ref Point Type Desc: Center of a facility or station.  
 Latitude: 38.465190  
 Longitude: -121.821070

Affiliation:

Affiliation Type Desc: CUPA District  
 Entity Name: Solano County Env Health  
 Entity Title: Not reported  
 Affiliation Address: 675 Texas Street, Suite 5500  
 Affiliation City: Fairfield  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: 94533  
 Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
 Entity Name: Scott Knutz  
 Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
 Entity Name: Scott Knutz  
 Entity Title: Not reported  
 Affiliation Address: PO Box 5350

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES SCHWAB TIRE CENTERS OF CA, INC. (Continued)**

**S113160285**

Affiliation City:	Bend
Affiliation State:	OR
Affiliation Country:	Not reported
Affiliation Zip:	97708
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Tim Rowland
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:	(707) 317-3286
Affiliation Type Desc:	Legal Owner
Entity Name:	Les Schwab Tire Centers of California, Inc.
Entity Title:	Not reported
Affiliation Address:	PO Box 5350
Affiliation City:	Bend
Affiliation State:	OR
Affiliation Country:	United States
Affiliation Zip:	97708
Affiliation Phone:	(541) 416-5514
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 5350
Affiliation City:	Bend
Affiliation State:	OR
Affiliation Country:	Not reported
Affiliation Zip:	97708
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Scott Knutz
Entity Title:	Company Safety Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Les Schwab Tire Center #678
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES SCHWAB TIRE CENTERS OF CA, INC. (Continued)**

**S113160285**

HAZNET:

Name: LES SCHWAB TIRE CENTERS OF CA, INC.  
Address: 1920 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000357810  
Contact: SCOTT KNUTZ  
Telephone: 5414165514  
Mailing Name: Not reported  
Mailing Address: 20900 COOLEY RD  
Mailing City,St,Zip: BEND, OR 97701  
Gen County: Solano  
TSD EPA ID: CAD059494310  
TSD County: Santa Clara  
Tons: 0.15  
CA Waste Code: 343-Unspecified organic liquid mixture  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

Name: LES SCHWAB TIRE CENTERS OF CA, INC.  
Address: 1920 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2016  
GEPaid: CAL000357810  
Contact: SCOTT KNUTZ  
Telephone: 5414165514  
Mailing Name: Not reported  
Mailing Address: 20900 COOLEY RD  
Mailing City,St,Zip: BEND, OR 97701  
Gen County: Solano  
TSD EPA ID: CAD059494310  
TSD County: Santa Clara  
Tons: 0.15  
CA Waste Code: 343-Unspecified organic liquid mixture  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

Name: LES SCHWAB TIRE CENTERS OF CA, INC.  
Address: 1920 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2016  
GEPaid: CAL000357810  
Contact: SCOTT KNUTZ  
Telephone: 5414165514  
Mailing Name: Not reported  
Mailing Address: 20900 COOLEY RD  
Mailing City,St,Zip: BEND, OR 97701  
Gen County: Solano  
TSD EPA ID: CAD059494310  
TSD County: Santa Clara  
Tons: 0.1  
CA Waste Code: 181-Other inorganic solid waste  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LES SCHWAB TIRE CENTERS OF CA, INC. (Continued)**

**S113160285**

Name: LES SCHWAB TIRE CENTERS OF CA, INC.  
Address: 1920 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2014  
GEPaid: CAL000357810  
Contact: SCOTT KNUTZ  
Telephone: 5414165514  
Mailing Name: Not reported  
Mailing Address: 20900 COOLEY RD  
Mailing City,St,Zip: BEND, OR 97701  
Gen County: Solano  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Tons: 0.102  
CA Waste Code: 343-Unspecified organic liquid mixture  
Method: H039-Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect  
Facility County: Solano

Name: LES SCHWAB TIRE CENTERS OF CA, INC.  
Address: 1920 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2013  
GEPaid: CAL000357810  
Contact: SCOTT KNUTZ  
Telephone: 5414165514  
Mailing Name: Not reported  
Mailing Address: 20900 COOLEY RD  
Mailing City,St,Zip: BEND, OR 97701  
Gen County: Solano  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Tons: 0.102  
CA Waste Code: 343-Unspecified organic liquid mixture  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Facility County: Solano

[Click this hyperlink](#) while viewing on your computer to access  
3 additional CA\_HAZNET: record(s) in the EDR Site Report.

**B3**  
**SE**  
**< 1/8**  
**0.024 mi.**  
**129 ft.**

**RAMOS OIL COMPANY**  
**1900 NORTH 1ST STREET**  
**DIXON, CA 95620**  
**Site 1 of 6 in cluster B**

**LUST** **S104403766**  
**Cortese** **N/A**  
**EMI**  
**HIST CORTESE**  
**CERS**

**Relative:**  
**Lower**  
**Actual:**  
**66 ft.**

**LUST:**  
Name: SHELL - RAMOS OIL - DIXON  
Address: 1900 1ST ST N  
City,State,Zip: DIXON, CA 95620  
Lead Agency: SOLANO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500446](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500446)  
Global Id: T0609500446  
Latitude: 38.464084  
Longitude: -121.821501  
Status: Open - Remediation

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Status Date: 05/25/2005  
Case Worker: MCK  
RB Case Number: 480210  
Local Agency: SOLANO COUNTY LOP  
File Location: Local Agency  
Local Case Number: 60034  
Potential Media Affect: Well used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: See site documents for historical information.

**LUST:**

Global Id: T0609500446  
Contact Type: Local Agency Caseworker  
Contact Name: MISTY C. KALTREIDER  
Organization Name: SOLANO COUNTY LOP  
Address: 675 TEXAS STREET, SUITE 5500  
City: FAIRFIELD  
Email: mkaltreider@solanocounty.com  
Phone Number: 7077846765

**LUST:**

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 07/13/2010  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 02/01/2007  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 01/22/2004  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 05/13/2004  
Action: File review

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 06/29/2001  
Action: Other Workplan

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 11/12/2002  
Action: Soil and Water Investigation Workplan

Global Id: T0609500446  
Action Type: Other  
Date: 09/14/1998  
Action: Leak Discovery

Global Id: T0609500446

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Action Type: RESPONSE  
Date: 12/16/2008  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 02/18/2010  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 05/11/2011  
Action: Correspondence

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 01/10/2011  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 03/01/2011  
Action: Correspondence

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 02/09/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 04/19/2001  
Action: Other Workplan

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 08/06/2003  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 05/15/2003  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 11/10/2004  
Action: 13267 Monitoring Program

Global Id: T0609500446  
Action Type: Other  
Date: 09/14/1998  
Action: Leak Stopped

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 08/19/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Action: Monitoring Report - Semi-Annually

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 02/16/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 03/05/2012  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 06/15/2016  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 12/11/2003  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/08/2004  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 02/14/2005  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 08/08/2008  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/07/2017  
Action: Staff Letter

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 07/11/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 03/05/2012  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 01/05/2009  
Action: Staff Letter



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Global Id:	T0609500446
Action Type:	RESPONSE
Date:	12/03/2001
Action:	Other Workplan
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	11/14/2003
Action:	Pilot Study/ Treatability Report
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	03/18/2004
Action:	Site Visit / Inspection / Sampling
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	02/10/2004
Action:	File review
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	04/18/2005
Action:	File review
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	01/18/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	11/15/1999
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	06/15/2004
Action:	File review
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	03/28/2007
Action:	Staff Letter
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	01/17/2017
Action:	Staff Letter
Global Id:	T0609500446
Action Type:	Other
Date:	09/28/1998
Action:	Leak Reported
Global Id:	T0609500446
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Date: 12/31/2008  
Action: Correspondence

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 07/15/2013  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 09/20/1999  
Action: Tank Removal Report / UST Sampling Report

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 08/31/2017  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 03/12/2018  
Action: Pilot Study / Treatability Workplan - Regulator Responded

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 03/03/2017  
Action: Well Installation Workplan - Regulator Responded

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 04/02/2009  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 06/30/2009  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 04/18/2000  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 08/04/2000  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/15/1999  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 09/28/1999  
Action: Staff Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/16/2001  
Action: Staff Letter

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 03/16/2007  
Action: Other Workplan

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 04/17/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 01/24/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 10/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 10/15/2008  
Action: Verbal Communication

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 07/07/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 04/24/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 07/31/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 04/23/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 01/28/2007  
Action: Well Installation Report

Global Id: T0609500446  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Date: 03/26/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 01/29/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 01/27/2014  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 05/09/2018  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 01/14/2002  
Action: Other Report / Document

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 07/15/2002  
Action: Other Report / Document

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 08/02/2005  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 04/26/2010  
Action: Warning Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 01/26/2011  
Action: Warning Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 01/10/2011  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 09/28/1998  
Action: Unauthorized Release Form

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 05/09/1996  
Action: File review

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	03/19/2018
Action:	File review
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	11/11/2004
Action:	Staff Letter
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	08/22/2001
Action:	Staff Letter
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	12/04/2002
Action:	Staff Letter
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	12/31/2008
Action:	Correspondence
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	07/31/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	01/23/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	01/22/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	05/21/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	02/25/2003
Action:	File review
Global Id:	T0609500446
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Date: 01/25/2001  
Action: Site Assessment Report

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/10/2005  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 06/15/2015  
Action: Warning Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/21/2018  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 07/11/2001  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 04/26/2001  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 07/24/2002  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/25/1999  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 12/07/2001  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/30/1999  
Action: Unauthorized Release Form

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 12/27/2017  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 12/07/2007  
Action: File review

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	11/19/2014
Action:	File review
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	11/05/1998
Action:	Notice of Responsibility
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	12/11/2003
Action:	Staff Letter
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	10/09/1998
Action:	File review
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	02/01/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	03/31/2009
Action:	Correspondence
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	05/19/2010
Action:	Correspondence
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	07/14/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500446
Action Type:	ENFORCEMENT
Date:	07/08/2015
Action:	Other Report
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	09/02/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500446
Action Type:	RESPONSE
Date:	01/30/2017
Action:	Correspondence
Global Id:	T0609500446
Action Type:	ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Date: 08/30/2002  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 01/02/2003  
Action: File review

Global Id: T0609500446  
Action Type: REMEDIATION  
Date: 04/02/2009  
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0609500446  
Action Type: REMEDIATION  
Date: 05/25/2005  
Action: Soil Vapor Extraction (SVE)

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 08/28/2018  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 03/12/2018  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 12/10/1991  
Action: File review

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 11/16/1999  
Action: Staff Letter

Global Id: T0609500446  
Action Type: ENFORCEMENT  
Date: 10/30/2006  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 08/31/2017  
Action: Well Installation Report

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 09/20/1999  
Action: Tank Removal Report / UST Sampling Report

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 10/09/2001  
Action: Pilot Study / Treatability Workplan



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Global Id: T0609500446  
Action Type: RESPONSE  
Date: 01/27/2017  
Action: Monitoring Report - Semi-Annually

**LUST:**

Global Id: T0609500446  
Status: Open - Case Begin Date  
Status Date: 09/14/1998

Global Id: T0609500446  
Status: Open - Remediation  
Status Date: 01/15/2004

Global Id: T0609500446  
Status: Open - Remediation  
Status Date: 05/25/2005

Global Id: T0609500446  
Status: Open - Site Assessment  
Status Date: 09/14/1998

Global Id: T0609500446  
Status: Open - Site Assessment  
Status Date: 10/11/2001

Global Id: T0609500446  
Status: Open - Site Assessment  
Status Date: 11/14/2002

**LUST REG 5:**

Name: SHELL - RAMOS OIL - DIXON  
Address: 1900 1ST ST N  
City: DIXON  
Region: 5  
Status: Remedial action (cleanup) Underway  
Case Number: 480210  
Case Type: Drinking water wells have been affected  
Substance: GASOLINE  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: 8

**CORTESE:**

Name: SHELL - RAMOS OIL - DIXON  
Address: 1900 1ST ST N  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0609500446  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: OPEN - REMEDIATION  
Status Date: Not reported  
Site Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**EMI:**

Name: RAMOS OIL COMPANY  
Address: 1900 NORTH 1ST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2011  
County Code: 48  
Air Basin: SV  
Facility ID: 5481  
Air District Name: YS  
SIC Code: 8711  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RAMOS OIL COMPANY  
Address: 1900 NORTH 1ST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2012  
County Code: 48  
Air Basin: SV  
Facility ID: 5481  
Air District Name: YS  
SIC Code: 8711  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RAMOS OIL COMPANY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Address: 1900 NORTH 1ST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2013  
County Code: 48  
Air Basin: SV  
Facility ID: 5481  
Air District Name: YS  
SIC Code: 8711  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: RAMOS OIL COMPANY  
Address: 1900 NORTH 1ST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2014  
County Code: 48  
Air Basin: SV  
Facility ID: 5481  
Air District Name: YS  
SIC Code: 8711  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: RAMOS OIL COMPANY  
Address: 1900 NORTH 1ST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2015  
County Code: 48  
Air Basin: SV  
Facility ID: 5481  
Air District Name: YS  
SIC Code: 8711  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL COMPANY (Continued)**

**S104403766**

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RAMOS OIL COMPANY  
Address: 1900 NORTH 1ST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2016  
County Code: 48  
Air Basin: SV  
Facility ID: 5481  
Air District Name: YS  
SIC Code: 8711  
Air District Name: YOLO-SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

**HIST CORTESE:**

edr\_fname: SHELL - RAMOS OIL - DIXON  
edr\_fadd1: 1900 1ST  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LNTKA  
Reg Id: 480210

**CERS:**

Name: SHELL - RAMOS OIL - DIXON  
Address: 1900 1ST ST N  
City,State,Zip: DIXON, CA 95620  
Site ID: 228091  
CERS ID: T0609500446  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: MISTY C. KALTREIDER - SOLANO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 675 TEXAS STREET, SUITE 5500  
Affiliation City: FAIRFIELD  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7077846765

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B4**  
**SE**  
**< 1/8**  
**0.024 mi.**  
**129 ft.**

**RAMOS OIL CO**  
**1900 NORTH 1ST ST**  
**DIXON, CA 95620**

**RCRA NonGen / NLR**    **1024794542**  
**CAL000148966**

**Site 2 of 6 in cluster B**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**66 ft.**

Date form received by agency: 03/22/1995  
Facility name: RAMOS OIL CO  
Facility address: 1900 NORTH 1ST ST  
DIXON, CA 95620-0000  
EPA ID: CAL000148966  
Mailing address: PO BOX 401  
WEST SACRAMENTO, CA 95691  
Contact: JOY KACHADORIAN  
Contact address: 1515 SOUTH RIVER ROAD  
WEST SACRAMENTO, CA 95691-0401  
Contact country: Not reported  
Contact telephone: 916-371-2570  
Contact email: JOYK@RAMOSOIL.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOY KACHADORIAN  
Owner/operator address: 1515 SOUTH RIVER ROAD  
WEST SACRAMENTO, CA 95691  
Owner/operator country: Not reported  
Owner/operator telephone: 916-371-2570  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: RAMOS OIL CO  
Owner/operator address: PO BOX 401  
WEST SACRAMENTO, CA 95691  
Owner/operator country: Not reported  
Owner/operator telephone: 916-371-2570  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO (Continued)**

**1024794542**

On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**B5**  
**SE**  
**< 1/8**  
**0.024 mi.**  
**129 ft.**

**RAMOS OIL CO. INC.**  
**1900 N FIRST ST**  
**DIXON, CA 95620**  
**Site 3 of 6 in cluster B**

**LUST** **1001609398**  
**UST** **N/A**  
**SWEEPS UST**  
**HIST UST**  
**EMI**

**Relative:**  
**Lower**  
**Actual:**  
**66 ft.**

**SOLANO CO. LUST:**  
Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 60034  
Facility Status: A  
Facility Status Desc: Active  
Facility Phone: 916-678-2061  
Program: 29S  
Inventory Number: 1  
Inventory Type: Drinking Well Impact (114)  
Inventory Description: Not reported  
Last service/permit exp: REVIEW REPORTS / POST REM MONIT  
Last service date: 02/06/2019  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported

**SOLANO CO. UST:**  
Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
Facility Id: 60034  
Facility Status: Inactive  
Decode for Facility Status: Closed  
Facility Phone: 916-678-2061  
  
Inventory Number: 1  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: 3/31/1999  
Last Service Date: Not reported  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City,State,Zip: DIXON, CA 95620

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**1001609398**

Inventory Number: 2  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: 3/31/1999  
Last Service Date: Not reported  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City,State,Zip: DIXON, CA 95620

Inventory Number: 3  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: 3/31/1999  
Last Service Date: Not reported  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City,State,Zip: DIXON, CA 95620

Inventory Number: 4  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: 3/31/1999  
Last Service Date: Not reported  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City,State,Zip: DIXON, CA 95620

Inventory Number: 5  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: \* Missing \*  
Last Service Date: Not reported  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

**SWEEPS UST:**

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City: DIXON  
Status: Active  
Comp Number: 60034  
Number: 9  
Board Of Equalization: 44-019555  
Referral Date: 06-22-93  
Action Date: 02-24-94  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 48-000-060034-000001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**1001609398**

Tank Status: A  
Capacity: 10000  
Active Date: 01-28-93  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: 5

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City: DIXON  
Status: Active  
Comp Number: 60034  
Number: 9  
Board Of Equalization: 44-019555  
Referral Date: 06-22-93  
Action Date: 02-24-94  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 48-000-060034-000002  
Tank Status: A  
Capacity: 30000  
Active Date: 01-28-93  
Tank Use: M.V. FUEL  
STG: P  
Content: PLUS UNLEADED  
Number Of Tanks: Not reported

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City: DIXON  
Status: Active  
Comp Number: 60034  
Number: 9  
Board Of Equalization: 44-019555  
Referral Date: 06-22-93  
Action Date: 02-24-94  
Created Date: 02-29-88  
Owner Tank Id: 3  
SWRCB Tank Id: 48-000-060034-000003  
Tank Status: A  
Capacity: 30000  
Active Date: 01-28-93  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City: DIXON  
Status: Active  
Comp Number: 60034  
Number: 9  
Board Of Equalization: 44-019555  
Referral Date: 06-22-93  
Action Date: 02-24-94



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**1001609398**

Created Date: 02-29-88  
Owner Tank Id: 4  
SWRCB Tank Id: 48-000-060034-000004  
Tank Status: A  
Capacity: 12000  
Active Date: 01-28-93  
Tank Use: M.V. FUEL  
STG: P  
Content: PRM UNLEADED  
Number Of Tanks: Not reported

Name: RAMOS OIL CO. INC.  
Address: 1900 N FIRST ST  
City: DIXON  
Status: Active  
Comp Number: 60034  
Number: 9  
Board Of Equalization: 44-019555  
Referral Date: 06-22-93  
Action Date: 02-24-94  
Created Date: 02-29-88  
Owner Tank Id: 5  
SWRCB Tank Id: 48-000-060034-000005  
Tank Status: A  
Capacity: 550  
Active Date: 01-28-93  
Tank Use: OIL  
STG: P  
Content: NEW OIL  
Number Of Tanks: Not reported

**HIST UST:**

Name: RAMOS OIL CO INC  
Address: 1900 NO FIRST ST  
City,State,Zip: DIXON, CA 95620  
File Number: 00021364  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021364.pdf>  
Region: Not reported  
Facility ID: Not reported  
Facility Type: Not reported  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: Not reported  
Owner Name: Not reported  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Total Tanks: Not reported

Tank Num: Not reported  
Container Num: Not reported  
Year Installed: Not reported  
Tank Capacity: Not reported  
Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**1001609398**

[Click here for Geo Tracker PDF:](#)

EMI:

Name: RAMOS OIL CO. INC. - DIXON  
Address: 1900 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2000  
County Code: 48  
Air Basin: SV  
Facility ID: 5016  
Air District Name: YS  
SIC Code: 5171  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RAMOS OIL CO. INC. - DIXON  
Address: 1900 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2001  
County Code: 48  
Air Basin: SV  
Facility ID: 5016  
Air District Name: YS  
SIC Code: 5171  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RAMOS OIL CO. INC. - DIXON  
Address: 1900 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2002  
County Code: 48  
Air Basin: SV  
Facility ID: 5016  
Air District Name: YS  
SIC Code: 5171  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 3  
Reactive Organic Gases Tons/Yr: 2

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**1001609398**

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: RAMOS OIL CO. INC. - DIXON  
 Address: 1900 NORTH FIRST STREET  
 City,State,Zip: DIXON, CA 95620  
 Year: 2003  
 County Code: 48  
 Air Basin: SV  
 Facility ID: 5016  
 Air District Name: YS  
 SIC Code: 5171  
 Air District Name: YOLO/SOLANO AQMD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 11  
 Reactive Organic Gases Tons/Yr: 9  
 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: RAMOS OIL CO. INC. - DIXON  
 Address: 1900 NORTH FIRST STREET  
 City,State,Zip: DIXON, CA 95620  
 Year: 2004  
 County Code: 48  
 Air Basin: SV  
 Facility ID: 5016  
 Air District Name: YS  
 SIC Code: 5171  
 Air District Name: YOLO/SOLANO AQMD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 11.00669458  
 Reactive Organic Gases Tons/Yr: 9.29  
 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

**B6**  
**SE**  
**< 1/8**  
**0.024 mi.**  
**129 ft.**

**RAMOS OIL CO. INC.**  
**1900 N 1ST ST**  
**DIXON, CA 95620**  
**Site 4 of 6 in cluster B**

**HIST UST** **U001612712**  
**CHMIRS** **N/A**  
**NPDES**  
**WDS**  
**CIWQS**  
**CERS**

**Relative:**  
**Lower**

HIST UST:  
 Name: RAMOS OIL CO. INC.  
 Address: 1900 N 1ST ST  
 City,State,Zip: DIXON, CA 95620  
 File Number: Not reported

**Actual:**  
**66 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

URL: Not reported  
Region: STATE  
Facility ID: 00000010497  
Facility Type: Other  
Other Type: BULK PLANT  
Contact Name: RAY MCCLUSKEY  
Telephone: 9163712570  
Owner Name: RAMOS OIL CO. INC.  
Owner Address: 1515 SOUTH RIVER ROAD  
Owner City,St,Zip: WEST SACRAMENTO, CA 95691  
Total Tanks: 0005

Tank Num: 001  
Container Num: 1  
Year Installed: 1976  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1981  
Tank Capacity: 00003000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: 1981  
Tank Capacity: 00030000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 004  
Container Num: 4  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 005  
Container Num: 5  
Year Installed: 1981  
Tank Capacity: 00000550  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

RAMOS OIL CO. INC. (Continued)

U001612712

CHMIRS:  
Name: Not reported  
Address: 1900 N 1ST ST  
City,State,Zip: DIXON, CA  
OES Incident Number: 4-6603  
OES notification: 11/19/2014  
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: No  
Waterway: None  
Spill Site: Industrial Plant  
Cleanup By: No  
Containment: Not reported  
What Happened: Not reported  
Type: Not reported  
Measure: Not reported  
Other: Not reported  
Type: PETROLEUM  
Measure: Gal(s)  
Other: Not reported  
Date/Time: 700  
Year: 2014  
Agency: NRC  
Incident Date: 11/18/2014  
Admin Agency: Not reported  
Amount: Not reported  
Contained: Yes  
Site Type: None  
E Date: Not reported  
Substance: Oil, Fuel, No. 2-D  
Quantity Released: 400  
Unknown: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Equipment Failure
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Other
Fatals:	No
Comments:	Not reported
Description:	Per NRC #1101488, "Caller is reporting a release of approximately 400 gallons of no 2 diesel from a tanker truck onto the cement loading pad at the facility while loading an above ground storage tank." Remedial Actions: Notified a contractor to clean the sump, the owns and the pad. Cargo on board: 4,000 gallons.

**NPDES:**

Name:	RAMOS OIL COMPANY DIXON
Address:	1900 N 1ST ST
City,State,Zip:	DIXON, CA 95620
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:	5S48I015394
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:	09/24/1999
Operator Name:	Ramos Oil Co
Operator Address:	1900 N 1st St
Operator City:	Dixon
Operator State:	California
Operator Zip:	95620

**NPDES as of 03/2018:**

NPDES Number:	Not reported
Status:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

Agency Number:	Not reported
Region:	5S
Regulatory Measure ID:	202046
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S481015394
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:	09/24/1999
Status:	Active
Status Date:	09/24/1999
Place Size:	2.4
Place Size Unit:	Acres
Contact:	Ray McCluskey
Contact Title:	Not reported
Contact Phone:	707-678-2061
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Ramos Oil Co
Operator Address:	1900 N 1st St
Operator City:	Dixon
Operator State:	California
Operator Zip:	95620
Operator Contact:	JOY KACHADORIAN
Operator Contact Title:	EHS MANAGER
Operator Contact Phone:	916-371-3289
Operator Contact Phone Ext:	31232
Operator Contact Email:	joyk@ramosoil.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:	707-678-2061
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 Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

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:	Dixon Creek
Certifier:	Joy Kachaorian
Certifier Title:	EHS Manager
Certification Date:	10-AUG-15
Primary Sic:	5171-Petroleum Bulk Stations and Terminals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	202046
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S48I015394
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/24/1999
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Ramos Oil Co
Discharge Address:	1900 N 1st St
Discharge City:	Dixon
Discharge State:	California
Discharge Zip:	95620
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

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 Commercial 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: RAMOS OIL COMPANY DIXON  
Address: 1900 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Facility Status: Active  
NPDES Number: CAS000001  
Region: 5S  
Agency Number: 0  
Regulatory Measure ID: 202046  
Place ID: Not reported  
Order Number: 97-03-DWQ  
WDID: 5S481015394  
Regulatory Measure Type: Enrollee  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 09/24/1999  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: 1900 N 1st St  
Discharge Name: Ramos Oil Co  
Discharge City: Dixon

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

Discharge State: California  
Discharge Zip: 95620  
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: 5S  
Regulatory Measure ID: 202046  
Order Number: Not reported  
Regulatory Measure Type: Industrial  
Place ID: Not reported  
WDID: 5S481015394  
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: 09/24/1999  
Status: Active  
Status Date: 09/24/1999  
Place Size: 2.4  
Place Size Unit: Acres  
Contact: Ray McCluskey  
Contact Title: Not reported  
Contact Phone: 707-678-2061  
Contact Phone Ext: Not reported  
Contact Email: Not reported  
Operator Name: Ramos Oil Co  
Operator Address: 1900 N 1st St  
Operator City: Dixon  
Operator State: California  
Operator Zip: 95620  
Operator Contact: JOY KACHADORIAN  
Operator Contact Title: EHS MANAGER  
Operator Contact Phone: 916-371-3289  
Operator Contact Phone Ext: 31232  
Operator Contact Email: joyk@ramosoil.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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	707-678-2061
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 Commercial 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:	Dixon Creek
Certifier:	Joy Kachaorian
Certifier Title:	EHS Manager
Certification Date:	10-AUG-15
Primary Sic:	5171-Petroleum Bulk Stations and Terminals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	202046
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S48I015394
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/24/1999
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Ramos Oil Co
Discharge Address:	1900 N 1st St
Discharge City:	Dixon
Discharge State:	California
Discharge Zip:	95620
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

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 Commercial 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

WDS:

Name:	RAMOS OIL CO
Address:	1900 N 1st St
City:	DIXON
Facility ID:	5S 481015394
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

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: 0

Facility Telephone: 7076782061

Facility Contact: RAY MCCLUSKEY

Agency Name: RAMOS OIL CO

Agency Address: 1900 N 1st St

Agency City,St,Zip: Dixon 956209786

Agency Contact: RAY MCCLUSKEY

Agency Telephone: 7076782061

Agency Type: Private

SIC Code: 0

SIC Code 2: Not reported

Primary Waste Type: Not reported

Primary Waste: Not reported

Waste Type2: Not reported

Waste2: Not reported

Primary Waste Type: Not reported

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 0

Baseline Flow: 0

Reclamation: Not reported

POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who 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: RAMOS OIL CO

Address: 1900 N 1ST ST

City,State,Zip: DIXON, CA 95620

Agency: Ramos Oil Co

Agency Address: 1900 N 1st St, Dixon, CA 95620

Place/Project Type: Industrial - Petroleum Bulk Stations and Terminals

SIC/NAICS: 5171

Region: 5S

Program: INDSTW

Regulatory Measure Status: Active

Regulatory Measure Type: Storm water industrial

Order Number: 2014-0057-DWQ

WDID: 5S48I015394

NPDES Number: CAS000001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

Adoption Date: Not reported  
Effective Date: 09/24/1999  
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: 38.463529  
Longitude: -121.822257

**CERS:**

Name: RAMOS OIL COMPANY  
Address: 1900 N 1ST ST.  
City,State,Zip: DIXON, CA 95620-9786  
Site ID: 489161  
CERS ID: 110021336044  
CERS Description: US EPA Air Emission Inventory System (EIS)

**Affiliation:**

Affiliation Type Desc: Property Owner  
Entity Name: RAMOS OIL  
Entity Title: Not reported  
Affiliation Address: POBOX 401  
Affiliation City: WESTSACRAMENTO  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Joy Kachadorian  
Entity Title: Not reported  
Affiliation Address: POBOX 401  
Affiliation City: WESTSACRAMENTO  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Name: RAMOS OIL COMPANY DIXON  
Address: 1900 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 489168  
CERS ID: 251590  
CERS Description: Industrial Facility Storm Water

**Violations:**

Site ID: 489168  
Site Name: Ramos Oil Company Dixon  
Violation Date: 06-10-2011  
Citation: 2014-0057-DWQ - Industrial General Permit  
Violation Description: SW - Deficient BMP Implementation  
Violation Notes: Failure to maintain stormwater BMPs. Exceedance of EPA benchmarks.  
Violation Division: Water Boards

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

Violation Program: INDSTW  
Violation Source: SMARTS

Site ID: 489168  
Site Name: Ramos Oil Company Dixon  
Violation Date: 07-01-2009  
Citation: 2014-0057-DWQ - Industrial General Permit  
Violation Description: SW - Deficient BMP Implementation  
Violation Notes: Failure to maintain stormwater BMPs. Exceedance of EPA benchmarks.  
Violation Division: Water Boards  
Violation Program: INDSTW  
Violation Source: SMARTS

**Evaluation:**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-24-2011  
Violations Found: No  
Eval Type: Industrial Storm Water Compliance Evaluation  
Eval Notes: On 24 August 2011, Central Valley Regional Water Quality Control Board staff inspected the Ramos Oil Company facility located at 1900 N 1st Street in Dixon. During the inspection staff determined that the SWPPP was complete and up-to date. The primary purpose of the inspection was to attempt to identify the source of the low pH (3.08) detected during sampling. The facility sells both retail and wholesale fuel and lubrication products. The facility includes a gasoline fueling area, a diesel fueling area, a car wash, a store, a bulk fuel area and a Ramos office area. The majority of the surface of the facility was asphalt. Concrete swales convey storm water to onsite drain inlets throughout the facility. The facility also has an onsite oil water separator. Vehicle traffic from both Ramos trucks and retail vehicles was observed during the site inspection. Due to the site layout trucks have to drive around the facility to the refueling area (see site map). A significant number of 18 wheel vehicles were observed entering the facility during the site inspection. Due to the site layout and the extensive traffic at the facility the source of the low pH could not be located at the time of the site inspection. Staff will re-inspect the site during the wet season to better determine the effectiveness of the onsite BMPs.  
Eval Division: Water Boards  
Eval Program: INDSTW  
Eval Source: SMARTS

**Enforcement Action:**

Site ID: 489168  
Site Name: Ramos Oil Company Dixon  
Site Address: 1900 N 1ST ST  
Site City: DIXON  
Site Zip: 95620  
Enf Action Date: 03-30-2012  
Enf Action Type: Industrial Storm Water Enforcement  
Enf Action Description: Industrial Storm Water Enforcement  
Enf Action Notes: 13267 letter for benchmark exceedances.  
Enf Action Division: Water Boards  
Enf Action Program: INDSTW  
Enf Action Source: SMARTS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL CO. INC. (Continued)**

**U001612712**

Site ID: 489168  
Site Name: Ramos Oil Company Dixon  
Site Address: 1900 N 1ST ST  
Site City: DIXON  
Site Zip: 95620  
Enf Action Date: 10-23-2009  
Enf Action Type: Staff Enforcement Letter  
Enf Action Description: Staff Enforcement Letter  
Enf Action Notes: SEL for exceedance of benchmark values in storm water discharges indicating a need to improve BMPs.  
Enf Action Division: Water Boards  
Enf Action Program: INDSTW  
Enf Action Source: SMARTS

Affiliation:  
Affiliation Type Desc: Owner/Operator  
Entity Name: Ramos Oil Co  
Entity Title: Operator  
Affiliation Address: 1900 N 1st St  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

**B7**  
**SE**  
**< 1/8**  
**0.024 mi.**  
**129 ft.**

**RAMOS OIL - DIXON**  
**1900 N 1ST ST**  
**DIXON, CA 95620**  
**Site 5 of 6 in cluster B**

**AST A100423710**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**66 ft.**

AST:  
Name: RAMOS OIL - DIXON  
Address: 1900 N 1ST ST  
City/Zip: DIXON,95620  
Certified Unified Program Agencies: Not reported  
Owner: RAMOS OIL COMPANY INC  
Total Gallons: Not reported  
CERSID: 10475518  
Facility ID: 48-000-060034  
Business Name: RAMOS OIL COMPANIES  
Phone: 707-678-2061  
Fax: Not reported  
Mailing Address: 1900 North First Street  
Mailing Address City: WEST SACRAMENTO  
Mailing Address State: CA  
Mailing Address Zip Code: 95691  
Operator Name: Ramos Oil Company - Dixon  
Operator Phone: 916-371-2570  
Owner Phone: 9163712570  
Owner Mail Address: PO BOX 401  
Owner State: CA  
Owner Zip Code: 95691  
Owner Country: United States  
Property Owner Name: Ramos Oil Company  
Property Owner Phone: 9163712570



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**A100423710**

Property Owner Mailing Address: P.O. Box 401  
Property Owner City: West Sacramento  
Property Owner Stat : CA  
Property Owner Zip Code: 95691  
Property Owner Country: United States  
EPAID: CAL 00014896

**B8  
SE  
< 1/8  
0.024 mi.  
129 ft.**

**RAMOS OIL - DIXON  
1900 N 1ST ST  
DIXON, CA 95620**

**CERS HAZ WASTE  
CERS TANKS  
CERS**

**S121745642  
N/A**

**Site 6 of 6 in cluster B**

**Relative:  
Lower  
Actual:  
66 ft.**

CERS HAZ WASTE:  
Site ID: 146446  
CERS ID: 10475518  
CERS Description: Hazardous Waste Generator

Violations:

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507  
Violation Description: Failure of business to report a release or threatened release of a hazardous material to the administering agency and CalEMA.  
Violation Notes: Returned to compliance on 04/25/2017. Provide copy of report from 11/18/2014 spill incident to CUPA. Ensure that spills are reported to OES and the CUPA as soon as possible.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130  
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.  
Violation Notes: Returned to compliance on 07/27/2017. Ensure waste oil/waste oil filter containers are secured and properly labeled, including accumulation start date or "Empty Daily"  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 07/27/2017. Retain documentation of weekly hazardous materials storage area inspections and daily haz-mat tank inspections  
Violation Division: Solano County Environmental Health  
Violation Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)  
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 04/25/2017. Update and resubmit HMBP documents to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 04/25/2017. Update and resubmit hazardous materials inventory to CERS. Add DEF, propane, waste oily solids, and waste oil filters to inventory  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 07/27/2017. Properly label waste containers. Add accumulation start date or label "Empty Daily"  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173  
Violation Description: Failure to properly close hazardous waste containers when not in active use.  
Violation Notes: Returned to compliance on 07/27/2017. Secure waste containers and ensure the lids are on/container is closed when not in active use.  
Violation Division: Solano County Environmental Health  
Violation Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 07/27/2017. Provide copies of documentation on employee training for spill response by 12/20/2014

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: HSC 6.67 25270.8 - California Health and Safety Code, Chapter 6.67, Section(s) 25270.8

Violation Description: Failure to report spills of one barrel or more to Cal EMA and UPA.

Violation Notes: Returned to compliance on 02/20/2015.

Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 schedule and conduct spill prevention briefings at least once a year.

Violation Notes: Returned to compliance on 02/20/2015.

Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 provide training regarding: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan.

Violation Notes: Returned to compliance on 02/20/2015.

Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Violation Description: Chapter 4, Section(s) 2729.2(a)(3)  
Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 04/25/2017. Label empty container storage area, indicate location on site map.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 04/25/2017. Update with back storage area and resubmit site map documents to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.  
Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Site requires SPCC (see AST inspection report). Copies of spill incident report from 11/18/2014 requested on inspection report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Provide copy of report for 11/18/2014 spill incident  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 146446  
Facility Name: Ramos Oil - Dixon  
Env Int Type Code: HWG  
Program ID: 10475518  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.464200  
Longitude: -121.821360

Affiliation:  
Affiliation Type Desc: Document Preparer  
Entity Name: Joy Kachadorian  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Ramos Oil Company  
Entity Title: Not reported  
Affiliation Address: P.O. Box 401  
Affiliation City: West Sacramento  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95691  
Affiliation Phone: (916) 371-2570

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Environmental Contact  
Entity Name: Joy Kachadorian

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Entity Title:	Not reported
Affiliation Address:	PO BOX 401
Affiliation City:	West Sacramento
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95691
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	RAMOS OIL COMPANY INC
Entity Title:	Not reported
Affiliation Address:	PO Box 401
Affiliation City:	West Sacramento
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95691
Affiliation Phone:	(916) 371-2570
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 401
Affiliation City:	West Sacramento
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95691
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Joy Kachadorian
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:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Ramos Oil Company - Dixon
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:	(916) 371-2570
Affiliation Type Desc:	Parent Corporation
Entity Name:	RAMOS OIL COMPANIES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

**CERS TANKS:**

Name: RAMOS OIL - DIXON  
Address: 1900 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 146446  
CERS ID: 10475518  
CERS Description: Aboveground Petroleum Storage

**Violations:**

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507

Violation Description: Failure of business to report a release or threatened release of a hazardous material to the administering agency and CalEMA.

Violation Notes: Returned to compliance on 04/25/2017. Provide copy of report from 11/18/2014 spill incident to CUPA. Ensure that spills are reported to OES and the CUPA as soon as possible.

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130

Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.

Violation Notes: Returned to compliance on 07/27/2017. Ensure waste oil/waste oil filter containers are secured and properly labeled, including accumulation start date or "Empty Daily"

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 07/27/2017. Retain documentation of weekly hazardous materials storage area inspections and daily haz-mat tank inspections

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Violation Notes: quantities.  
Returned to compliance on 04/25/2017. Update and resubmit HMBP documents to CERS

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 04/25/2017. Update and resubmit hazardous materials inventory to CERS. Add DEF, propane, waste oily solids, and waste oil filters to inventory

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 07/27/2017. Properly label waste containers. Add accumulation start date or label "Empty Daily"

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to properly close hazardous waste containers when not in active use.

Violation Notes: Returned to compliance on 07/27/2017. Secure waste containers and ensure the lids are on/container is closed when not in active use.

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Violation Notes: Returned to compliance on 07/27/2017. Provide copies of documentation on employee training for spill response by 12/20/2014  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: HSC 6.67 25270.8 - California Health and Safety Code, Chapter 6.67, Section(s) 25270.8

Violation Description: Failure to report spills of one barrel or more to Cal EMA and UPA.  
Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 schedule and conduct spill prevention briefings at least once a year.

Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 provide training regarding: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan.

Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)

Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.

Violation Notes: Returned to compliance on 04/25/2017. Label empty container storage area, indicate location on site map.

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 04/25/2017. Update with back storage area and resubmit site map documents to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.  
Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Site requires SPCC (see AST inspection report). Copies of spill incident report from 11/18/2014 requested on inspection report.  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Provide copy of report for 11/18/2014 spill incident

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 146446  
Facility Name: Ramos Oil - Dixon  
Env Int Type Code: HWG  
Program ID: 10475518  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.464200  
Longitude: -121.821360

Affiliation:  
Affiliation Type Desc: Document Preparer  
Entity Name: Joy Kachadorian  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Ramos Oil Company  
Entity Title: Not reported  
Affiliation Address: P.O. Box 401  
Affiliation City: West Sacramento  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95691  
Affiliation Phone: (916) 371-2570

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Environmental Contact  
Entity Name: Joy Kachadorian  
Entity Title: Not reported  
Affiliation Address: PO BOX 401  
Affiliation City: West Sacramento  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95691  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Entity Name: RAMOS OIL COMPANY INC  
Entity Title: Not reported  
Affiliation Address: PO Box 401  
Affiliation City: West Sacramento  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95691  
Affiliation Phone: (916) 371-2570

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: PO Box 401  
Affiliation City: West Sacramento  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95691  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Joy Kachadorian  
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: Not reported

Affiliation Type Desc: Operator  
Entity Name: Ramos Oil Company - Dixon  
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: (916) 371-2570

Affiliation Type Desc: Parent Corporation  
Entity Name: RAMOS OIL COMPANIES  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

CERS:  
Name: RAMOS OIL - DIXON  
Address: 1900 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 146446  
CERS ID: 10475518  
CERS Description: Chemical Storage Facilities

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Violations:

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507  
Violation Description: Failure of business to report a release or threatened release of a hazardous material to the administering agency and CalEMA.  
Violation Notes: Returned to compliance on 04/25/2017. Provide copy of report from 11/18/2014 spill incident to CUPA. Ensure that spills are reported to OES and the CUPA as soon as possible.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130  
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.  
Violation Notes: Returned to compliance on 07/27/2017. Ensure waste oil/waste oil filter containers are secured and properly labeled, including accumulation start date or "Empty Daily"  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 07/27/2017. Retain documentation of weekly hazardous materials storage area inspections and daily haz-mat tank inspections  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)  
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 04/25/2017. Update and resubmit HMBP documents to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 04/25/2017. Update and resubmit hazardous materials inventory to CERS. Add DEF, propane, waste oily solids, and waste oil filters to inventory  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 07/27/2017. Properly label waste containers. Add accumulation start date or label "Empty Daily"  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173  
Violation Description: Failure to properly close hazardous waste containers when not in active use.  
Violation Notes: Returned to compliance on 07/27/2017. Secure waste containers and ensure the lids are on/container is closed when not in active use.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 07/27/2017. Provide copies of documentation on employee training for spill response by 12/20/2014  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Violation Date: 11-20-2014  
Citation: HSC 6.67 25270.8 - California Health and Safety Code, Chapter 6.67, Section(s) 25270.8  
Violation Description: Failure to report spills of one barrel or more to Cal EMA and UPA.  
Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 schedule and conduct spill prevention briefings at least once a year.  
Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 provide training regarding: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan.  
Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 04/25/2017. Label empty container storage area, indicate location on site map.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 04/25/2017. Update with back storage area

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

and resubmit site map documents to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 146446  
Site Name: Ramos Oil - Dixon  
Violation Date: 11-20-2014  
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 comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.  
Violation Notes: Returned to compliance on 02/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Site requires SPCC (see AST inspection report). Copies of spill incident report from 11/18/2014 requested on inspection report.  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-20-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Provide copy of report for 11/18/2014 spill incident  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 146446  
Facility Name: Ramos Oil - Dixon



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Env Int Type Code: HWG  
Program ID: 10475518  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.464200  
Longitude: -121.821360

Affiliation:

Affiliation Type Desc: Document Preparer  
Entity Name: Joy Kachadorian  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Ramos Oil Company  
Entity Title: Not reported  
Affiliation Address: P.O. Box 401  
Affiliation City: West Sacramento  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95691  
Affiliation Phone: (916) 371-2570

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Environmental Contact  
Entity Name: Joy Kachadorian  
Entity Title: Not reported  
Affiliation Address: PO BOX 401  
Affiliation City: West Sacramento  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95691  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: RAMOS OIL COMPANY INC  
Entity Title: Not reported  
Affiliation Address: PO Box 401  
Affiliation City: West Sacramento  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95691  
Affiliation Phone: (916) 371-2570

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RAMOS OIL - DIXON (Continued)**

**S121745642**

Affiliation Type Desc: Facility Mailing Address  
 Entity Name: Mailing Address  
 Entity Title: Not reported  
 Affiliation Address: PO Box 401  
 Affiliation City: West Sacramento  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: 95691  
 Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
 Entity Name: Joy Kachadorian  
 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: Not reported

Affiliation Type Desc: Operator  
 Entity Name: Ramos Oil Company - Dixon  
 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: (916) 371-2570

Affiliation Type Desc: Parent Corporation  
 Entity Name: RAMOS OIL COMPANIES  
 Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

**C9**  
**SSE**  
 < 1/8  
 0.055 mi.  
 290 ft.

**DEPENDABLE HEATING AND A/C**  
**1855 N 1ST ST UNIT A**  
**DIXON, CA 95620**  
 Site 1 of 4 in cluster C

**CERS HAZ WASTE** S121745406  
**CERS** N/A

**Relative:**  
**Higher**  
**Actual:**  
**67 ft.**

CERS HAZ WASTE:  
 Site ID: 24785  
 CERS ID: 10460062  
 CERS Description: Hazardous Waste Generator

Violations:  
 Site ID: 24785  
 Site Name: Dependable Heating and A/C  
 Violation Date: 04-23-2015  
 Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DEPENDABLE HEATING AND A/C (Continued)**

**S121754506**

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. Corrected on-site.

Violation Division: Solano County Environmental Health

Violation Program: HW

Violation Source: CERS

Site ID: 24785

Site Name: Dependable Heating and A/C

Violation Date: 04-23-2015

Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violation Notes: Returned to compliance on 04/28/2015.

Violation Division: Solano County Environmental Health

Violation Program: HMRRP

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 04-23-2015

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Solano County Environmental Health

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 04-23-2015

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Solano County Environmental Health

Eval Program: HW

Eval Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address

Entity Name: Mailing Address

Entity Title: Not reported

Affiliation Address: 1855 N 1st St Unit A

Affiliation City: Dixon

Affiliation State: CA

Affiliation Country: Not reported

Affiliation Zip: 95620

Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact

Entity Name: Keith Knudson

Entity Title: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DEPENDABLE HEATING AND A/C (Continued)**

**S121754506**

Affiliation Address: 1855 N 1st St Unit A  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Keith Knudson  
Entity Title: Purchasing Mgr  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Keith Knudson  
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: (707) 446-1511

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Keith Knudson  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Dependable Sheet Metal  
Entity Title: Not reported  
Affiliation Address: 1855 N 1st St Unit A  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 446-1511

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DEPENDABLE HEATING AND A/C (Continued)**

**S121754506**

Affiliation Type Desc: Parent Corporation  
Entity Name: Dependable Heating and A/C  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: dependable Sheet Metal  
Entity Title: Not reported  
Affiliation Address: 1855 N 1st St Unit A  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 446-1511

**CERS:**

Name: DEPENDABLE HEATING AND A/C  
Address: 1855 N 1ST ST UNIT A  
City,State,Zip: DIXON, CA 95620  
Site ID: 24785  
CERS ID: 10460062  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 24785  
Site Name: Dependable Heating and A/C  
Violation Date: 04-23-2015  
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. Corrected on-site.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 24785  
Site Name: Dependable Heating and A/C  
Violation Date: 04-23-2015  
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)  
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.  
Violation Notes: Returned to compliance on 04/28/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DEPENDABLE HEATING AND A/C (Continued)**

**S121754506**

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-23-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-23-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 1855 N 1st St Unit A  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Keith Knudson  
Entity Title: Not reported  
Affiliation Address: 1855 N 1st St Unit A  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Keith Knudson  
Entity Title: Purchasing Mgr  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Keith Knudson  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DEPENDABLE HEATING AND A/C (Continued)**

**S121754506**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 446-1511
Affiliation Type Desc:	CUPA District
Entity Name:	Solano County Env Health
Entity Title:	Not reported
Affiliation Address:	675 Texas Street, Suite 5500
Affiliation City:	Fairfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94533
Affiliation Phone:	(707) 784-6765
Affiliation Type Desc:	Document Preparer
Entity Name:	Keith Knudson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Dependable Sheet Metal
Entity Title:	Not reported
Affiliation Address:	1855 N 1st St Unit A
Affiliation City:	Dixon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95620
Affiliation Phone:	(707) 446-1511
Affiliation Type Desc:	Parent Corporation
Entity Name:	Dependable Heating and A/C
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	dependable Sheet Metal
Entity Title:	Not reported
Affiliation Address:	1855 N 1st St Unit A
Affiliation City:	Dixon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95620
Affiliation Phone:	(707) 446-1511

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C10**  
**SSE**  
**< 1/8**  
**0.055 mi.**  
**290 ft.**

**DEPENDABLE HEATING & AIR CONDITIONING**  
**1855 N FIRST ST STE A**  
**DIXON, CA 95620**

**RCRA NonGen / NLR**    **1024814153**  
**CAL000307817**

**Site 2 of 4 in cluster C**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**67 ft.**

Date form received by agency: 06/09/2006  
Facility name: DEPENDABLE HEATING & AIR CONDITIONING  
Facility address: 1855 N FIRST ST STE A  
DIXON, CA 95620  
EPA ID: CAL000307817  
Mailing address: 1855 N FIRST ST SUITE A  
DIXON, CA 95620-0000  
Contact: PHIL HEIL, CONTROLLER  
Contact address: 1855 N FIRST ST STE A  
DIXON, CA 95620  
Contact country: Not reported  
Contact telephone: 707-693-9830  
Contact email: PHIL@DEPENDABLEAIR.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: PHIL HEIL, CONTROLLER  
Owner/operator address: 1855 N FIRST ST STE A  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-693-9830  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
  
Owner/operator name: H HANSEN PRES DEPENDABLE SHEET  
Owner/operator address: 1855 N FIRST ST STE A  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-693-9842  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**DEPENDABLE HEATING & AIR CONDITIONING (Continued)**

**1024814153**

On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**D11  
 ENE  
 < 1/8  
 0.080 mi.  
 420 ft.**

**TRACTOR SUPPLY STORE #1180  
 2000 N 1ST ST  
 DIXON, CA 95620**

**CERS HAZ WASTE S121776445  
 CERS N/A**

**Site 1 of 2 in cluster D**

**Relative:  
 Lower  
 Actual:  
 66 ft.**

CERS HAZ WASTE:  
 Site ID: 404241  
 CERS ID: 10453687  
 CERS Description: Hazardous Waste Generator

Violations:  
 Site ID: 404241  
 Site Name: Tractor Supply Store #1180  
 Violation Date: 10-08-2014  
 Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)  
 Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.  
 Violation Notes: Returned to compliance on 06/20/2016. RTC letter received  
 Violation Division: Solano County Environmental Health  
 Violation Program: HW  
 Violation Source: CERS

Site ID: 404241  
 Site Name: Tractor Supply Store #1180  
 Violation Date: 10-08-2014  
 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 05/20/2015. Hazardous wastes were not reported in CERS  
 Violation Division: Solano County Environmental Health  
 Violation Program: HMRRP  
 Violation Source: CERS

Site ID: 404241  
 Site Name: Tractor Supply Store #1180  
 Violation Date: 10-08-2014  
 Citation: 40 CFR 1 265.201(c)(5) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(5)  
 Violation Description: Failure to conduct weekly inspections of the construction materials, fixtures, and surrounding areas of the hazardous waste tanks.  
 Violation Notes: Returned to compliance on 06/20/2016. RTC letter received  
 Violation Division: Solano County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRACTOR SUPPLY STORE #1180 (Continued)**

**S121776445**

Violation Program: HW  
Violation Source: CERS

Site ID: 404241  
Site Name: Tractor Supply Store #1180  
Violation Date: 10-08-2014  
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)  
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.

Violation Notes: Returned to compliance on 05/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 404241  
Site Name: Tractor Supply Store #1180  
Violation Date: 10-08-2014  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit a site map with all required content.

Violation Notes: Returned to compliance on 05/20/2015. Waste Oil and Propane tanks were missing from site diagram  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-08-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-08-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 404241  
Facility Name: Tractor Supply Store #1180  
Env Int Type Code: HMBP  
Program ID: 10453687

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRACTOR SUPPLY STORE #1180 (Continued)**

**S121776445**

Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.466040  
Longitude: -121.821060

Affiliation:

Affiliation Type Desc: Legal Owner  
Entity Name: TRACTOR SUPPLY COMPANY  
Entity Title: Not reported  
Affiliation Address: 5401 Virginia Way  
Affiliation City: Brentwood  
Affiliation State: TN  
Affiliation Country: United States  
Affiliation Zip: 37027  
Affiliation Phone: (615) 440-4600

Affiliation Type Desc: Document Preparer  
Entity Name: BRIAN SPEARS  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: BRIAN SPEARS  
Entity Title: Not reported  
Affiliation Address: 5401 Virginia Way  
Affiliation City: Brentwood  
Affiliation State: TN  
Affiliation Country: Not reported  
Affiliation Zip: 37027  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 5401 Virginia Way  
Affiliation City: Brentwood  
Affiliation State: TN  
Affiliation Country: Not reported  
Affiliation Zip: 37027  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: TRACTOR SUPPLY COMPANY  
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: (615) 440-4600

Affiliation Type Desc: CUPA District

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRACTOR SUPPLY STORE #1180 (Continued)**

**S121776445**

Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Identification Signer  
Entity Name: BRIAN SPEARS  
Entity Title: Manager, Safety & Environmental Compliance  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: TRACTOR SUPPLY COMPANY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

CERS:  
Name: TRACTOR SUPPLY STORE #1180  
Address: 2000 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 404241  
CERS ID: 10453687  
CERS Description: Chemical Storage Facilities

Violations:  
Site ID: 404241  
Site Name: Tractor Supply Store #1180  
Violation Date: 10-08-2014  
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)  
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.  
Violation Notes: Returned to compliance on 06/20/2016. RTC letter received  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 404241  
Site Name: Tractor Supply Store #1180  
Violation Date: 10-08-2014  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRACTOR SUPPLY STORE #1180 (Continued)**

**S121776445**

Violation Notes: inventory information for all reportable hazardous materials on site at or above reportable quantities.  
Returned to compliance on 05/20/2015. Hazardous wastes were not reported in CERS

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 404241  
Site Name: Tractor Supply Store #1180  
Violation Date: 10-08-2014  
Citation: 40 CFR 1 265.201(c)(5) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(5)

Violation Description: Failure to conduct weekly inspections of the construction materials, fixtures, and surrounding areas of the hazardous waste tanks.

Violation Notes: Returned to compliance on 06/20/2016. RTC letter received

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 404241  
Site Name: Tractor Supply Store #1180  
Violation Date: 10-08-2014  
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)

Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.

Violation Notes: Returned to compliance on 05/20/2015.

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 404241  
Site Name: Tractor Supply Store #1180  
Violation Date: 10-08-2014  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a site map with all required content.

Violation Notes: Returned to compliance on 05/20/2015. Waste Oil and Propane tanks were missing from site diagram

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-08-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRACTOR SUPPLY STORE #1180 (Continued)**

**S121776445**

Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-08-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 404241  
Facility Name: Tractor Supply Store #1180  
Env Int Type Code: HMBP  
Program ID: 10453687  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.466040  
Longitude: -121.821060

Affiliation:  
Affiliation Type Desc: Legal Owner  
Entity Name: TRACTOR SUPPLY COMPANY  
Entity Title: Not reported  
Affiliation Address: 5401 Virginia Way  
Affiliation City: Brentwood  
Affiliation State: TN  
Affiliation Country: United States  
Affiliation Zip: 37027  
Affiliation Phone: (615) 440-4600

Affiliation Type Desc: Document Preparer  
Entity Name: BRIAN SPEARS  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: BRIAN SPEARS  
Entity Title: Not reported  
Affiliation Address: 5401 Virginia Way  
Affiliation City: Brentwood  
Affiliation State: TN  
Affiliation Country: Not reported  
Affiliation Zip: 37027  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 5401 Virginia Way

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRACTOR SUPPLY STORE #1180 (Continued)**

**S121776445**

Affiliation City: Brentwood  
Affiliation State: TN  
Affiliation Country: Not reported  
Affiliation Zip: 37027  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: TRACTOR SUPPLY COMPANY  
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: (615) 440-4600

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Identification Signer  
Entity Name: BRIAN SPEARS  
Entity Title: Manager, Safety & Environmental Compliance  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: TRACTOR SUPPLY COMPANY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

D12  
ENE  
< 1/8  
0.080 mi.  
420 ft.

**TRACTOR SUPPLY COMPANY #1180**  
**2000 N 1ST ST**  
**DIXON, CA 95620**  
**Site 2 of 2 in cluster D**

**RCRA NonGen / NLR 1024818242**  
**CAL000324890**

**Relative:**  
**Lower**  
**Actual:**  
**66 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 09/17/2007  
Facility name: TRACTOR SUPPLY COMPANY #1180  
Facility address: 2000 N 1ST ST  
DIXON, CA 95620

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRACTOR SUPPLY COMPANY #1180 (Continued)**

**1024818242**

EPA ID: CAL000324890  
Mailing address: 5401 VIRGINIA WAY  
BRENTWOOD, TN 37027-0000  
Contact: BRIAN SPEARS  
Contact address: 5401 VIRGINIA WAY  
BRENTWOOD, TN 37027-0000  
Contact country: Not reported  
Contact telephone: 615-440-4115  
Contact email: HAZMAT@TRACTORSUPPLY.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: TRACTOR SUPPLY COMPANY  
Owner/operator address: 5401 VIRGINIA WAY  
BRENTWOOD, TN 37027  
Owner/operator country: Not reported  
Owner/operator telephone: 615-440-4000  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: BRIAN SPEARS  
Owner/operator address: 5401 VIRGINIA WAY  
BRENTWOOD, TN 37027  
Owner/operator country: Not reported  
Owner/operator telephone: 615-440-4115  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRACTOR SUPPLY COMPANY #1180 (Continued)**

**1024818242**

Violation Status: No violations found

**C13  
SSE  
< 1/8  
0.080 mi.  
425 ft.**

**DOLLAR TREE #04943  
1700 N 1ST ST  
DIXON, CA 95620**

**CERS HAZ WASTE S113802433  
HAZNET N/A  
CERS**

**Site 3 of 4 in cluster C**

**Relative:  
Higher**

CERS HAZ WASTE:

**Actual:  
67 ft.**

Site ID: 112204  
CERS ID: 10454248  
CERS Description: Hazardous Waste Generator

Violations:

Site ID: 112204  
Site Name: Dollar Tree #04943  
Violation Date: 05-27-2014  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 05/27/2014. Compressed helium cylinder needs to be secured. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 112204  
Site Name: Dollar Tree #04943  
Violation Date: 05-27-2014  
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)  
Violation Description: Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.  
Violation Notes: Returned to compliance on 06/25/2014. Document training of employees on evacuation procedures  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 112204  
Site Name: Dollar Tree #04943  
Violation Date: 05-27-2014  
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 05/27/2014. "CA Other Waste" container to include facility address - Corrected On Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 112204  
Site Name: Dollar Tree #04943  
Violation Date: 05-27-2014  
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**S113802433**

Violation Description: Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)". 4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".

Violation Notes: Returned to compliance on 05/27/2014. "CA Other Waste" label needs to have facility address - Corrected On Site.

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-27-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-27-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Affiliation:

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**S113802433**

Affiliation Type Desc: Document Preparer  
Entity Name: Angela Jones  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Stephanie Caiati  
Entity Title: Not reported  
Affiliation Address: 500 Volvo Pkwy  
Affiliation City: Chesapeake  
Affiliation State: VA  
Affiliation Country: Not reported  
Affiliation Zip: 23320  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Angela Jones  
Entity Title: EH&S Specialist  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Dollar Tree Stores, 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: (757) 321-5000

Affiliation Type Desc: Parent Corporation  
Entity Name: Dollar Tree Stores, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: North 1st Street LLC c/o FH One, Inc.  
Entity Title: Not reported  
Affiliation Address: 1505 Bridgeway Suite 125  
Affiliation City: Sausalito  
Affiliation State: CA  
Affiliation Country: United States

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**S113802433**

Affiliation Zip: 94965  
Affiliation Phone: (415) 729-9922

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 500 Volvo Pkwy EH&S  
Affiliation City: Chesapeake  
Affiliation State: VA  
Affiliation Country: Not reported  
Affiliation Zip: 23320  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Dollar Tree Stores, Inc.  
Entity Title: Not reported  
Affiliation Address: 500 Volvo Pkwy  
Affiliation City: Chesapeake  
Affiliation State: VA  
Affiliation Country: United States  
Affiliation Zip: 23320  
Affiliation Phone: (757) 321-5000

**HAZNET:**

Name: DOLLAR TREE #04943  
Address: 1700 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000377025  
Contact: ANGELA JONES  
Telephone: 7573215761  
Mailing Name: Not reported  
Mailing Address: 500 VOLVO PKWY  
Mailing City,St,Zip: CHESAPEAKE, VA 233201604  
Gen County: Solano  
TSD EPA ID: CAD980884183  
TSD County: Sacramento  
Tons: 0.002  
CA Waste Code: 331-Off-specification, aged or surplus organics  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

Name: DOLLAR TREE #04943  
Address: 1700 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000377025  
Contact: ANGELA JONES  
Telephone: 7573215761  
Mailing Name: Not reported  
Mailing Address: 500 VOLVO PKWY  
Mailing City,St,Zip: CHESAPEAKE, VA 233201604  
Gen County: Solano  
TSD EPA ID: NVD980895338  
TSD County: 99

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**S113802433**

Tons: 0.098  
CA Waste Code: 331-Off-specification, aged or surplus organics  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

Name: DOLLAR TREE #04943  
Address: 1700 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000377025  
Contact: ANGELA JONES  
Telephone: 7573215761  
Mailing Name: Not reported  
Mailing Address: 500 VOLVO PKWY  
Mailing City,St,Zip: CHESAPEAKE, VA 233201604  
Gen County: Solano  
TSD EPA ID: CAD980884183  
TSD County: Sacramento

Tons: 0.0025  
CA Waste Code: 791-Liquids with pH <= 2  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

Name: DOLLAR TREE #04943  
Address: 1700 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000377025  
Contact: ANGELA JONES  
Telephone: 7573215761  
Mailing Name: Not reported  
Mailing Address: 500 VOLVO PKWY  
Mailing City,St,Zip: CHESAPEAKE, VA 233201604  
Gen County: Solano  
TSD EPA ID: CAD980884183  
TSD County: Sacramento

Tons: 0.001  
CA Waste Code: 214-Unspecified solvent mixture  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

Name: DOLLAR TREE #04943  
Address: 1700 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000377025  
Contact: ANGELA JONES  
Telephone: 7573215761  
Mailing Name: Not reported  
Mailing Address: 500 VOLVO PKWY  
Mailing City,St,Zip: CHESAPEAKE, VA 233201604  
Gen County: Solano  
TSD EPA ID: NVD980895338  
TSD County: 99

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**S113802433**

Tons: 0.003  
CA Waste Code: 214-Unspecified solvent mixture  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

[Click this hyperlink](#) while viewing on your computer to access 28 additional CA\_HAZNET: record(s) in the EDR Site Report.

**CERS:**

Name: DOLLAR TREE #04943  
Address: 1700 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 112204  
CERS ID: 10454248  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 112204  
Site Name: Dollar Tree #04943  
Violation Date: 05-27-2014  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 05/27/2014. Compressed helium cylinder needs to be secured. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 112204  
Site Name: Dollar Tree #04943  
Violation Date: 05-27-2014  
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)  
Violation Description: Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.  
Violation Notes: Returned to compliance on 06/25/2014. Document training of employees on evacuation procedures  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 112204  
Site Name: Dollar Tree #04943  
Violation Date: 05-27-2014  
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 05/27/2014. "CA Other Waste" container to include facility address - Corrected On Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**S113802433**

Site ID: 112204  
Site Name: Dollar Tree #04943  
Violation Date: 05-27-2014  
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34  
Violation Description: Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)". 4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".  
Violation Notes: Returned to compliance on 05/27/2014. "CA Other Waste" label needs to have facility address - Corrected On Site.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-27-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-27-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**S113802433**

Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Angela Jones  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Stephanie Caiati  
Entity Title: Not reported  
Affiliation Address: 500 Volvo Pkwy  
Affiliation City: Chesapeake  
Affiliation State: VA  
Affiliation Country: Not reported  
Affiliation Zip: 23320  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Angela Jones  
Entity Title: EH&S Specialist  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Dollar Tree Stores, 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: (757) 321-5000

Affiliation Type Desc: Parent Corporation  
Entity Name: Dollar Tree Stores, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: North 1st Street LLC c/o FH One, Inc.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**S113802433**

Entity Title: Not reported  
Affiliation Address: 1505 Bridgeway Suite 125  
Affiliation City: Sausalito  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94965  
Affiliation Phone: (415) 729-9922

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 500 Volvo Pkwy EH&S  
Affiliation City: Chesapeake  
Affiliation State: VA  
Affiliation Country: Not reported  
Affiliation Zip: 23320  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Dollar Tree Stores, Inc.  
Entity Title: Not reported  
Affiliation Address: 500 Volvo Pkwy  
Affiliation City: Chesapeake  
Affiliation State: VA  
Affiliation Country: United States  
Affiliation Zip: 23320  
Affiliation Phone: (757) 321-5000

**C14**  
**SSE**  
**< 1/8**  
**0.080 mi.**  
**425 ft.**

**DOLLAR TREE #04943**  
**1700 N 1ST ST**  
**DIXON, CA 95620**  
**Site 4 of 4 in cluster C**

**RCRA NonGen / NLR** **1024835249**  
**CAL000377025**

**Relative:**  
**Higher**  
**Actual:**  
**67 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 08/07/2012  
Facility name: DOLLAR TREE #04943  
Facility address: 1700 N 1ST ST  
DIXON, CA 95620  
EPA ID: CAL000377025  
Mailing address: 500 VOLVO PKWY  
CHESAPEAKE, VA 23320-1604  
Contact: ANGELA JONES  
Contact address: 500 VOLVO PKWY  
CHESAPEAKE, VA 23320-1604  
Contact country: Not reported  
Contact telephone: 757-321-5761  
Contact email: AJONES@DOLLARTREE.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:  
Owner/operator name: DOLLAR TREE STORES, INC.  
Owner/operator address: 500 VOLVO PKWY  
CHESAPEAKE, VA 23320

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**DOLLAR TREE #04943 (Continued)**

**1024835249**

Owner/operator country: Not reported  
 Owner/operator telephone: 757-321-5000  
 Owner/operator email: Not reported  
 Owner/operator fax: Not reported  
 Owner/operator extension: Not reported  
 Legal status: Other  
 Owner/Operator Type: Owner  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported

Owner/operator name: ANGELA JONES  
 Owner/operator address: 500 VOLVO PKWY  
 CHESAPEAKE, VA 23320

Owner/operator country: Not reported  
 Owner/operator telephone: 757-321-5761  
 Owner/operator email: Not reported  
 Owner/operator fax: Not reported  
 Owner/operator extension: Not reported  
 Legal status: Other  
 Owner/Operator Type: Operator  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: Yes  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**E15**  
**North**  
**< 1/8**  
**0.109 mi.**  
**575 ft.**

**SIDHU CHEVRON**  
**2599 N 1ST ST**  
**DIXON, CA 95620**

**Site 1 of 3 in cluster E**

**CERS HAZ WASTE** **S121790264**  
**CERS TANKS** **N/A**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**67 ft.**

CERS HAZ WASTE:  
 Site ID: 67527  
 CERS ID: 10466236  
 CERS Description: Hazardous Waste Generator

**Violations:**

Site ID: 67527  
 Site Name: Sidhu Chevron  
 Violation Date: 06-28-2017  
 Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Description: Failure to have a UST Monitoring Plan available on site.  
Violation Notes: Returned to compliance on 01/25/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 a site map with all required content.  
Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)

Violation Description: Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.  
Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-25-2016  
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 01/25/2016. Labels were faded. Corrected on site.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)

Violation Description: Failure to report program data electronically.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 06-28-2017  
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712  
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.  
Violation Notes: Returned to compliance on 01/25/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)  
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299  
Violation Description: Failure to comply with one or more of the operating permit conditions.  
Violation Notes: Returned to compliance on 01/14/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-25-2016  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130  
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.  
Violation Notes: Returned to compliance on 01/25/2016. Corrected on site.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 06-28-2017  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/25/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-24-2014  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/24/2014. Updated financial Responsibility forms - corrected on site  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to 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 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to maintain on site an approved monitoring plan.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 at or above reportable quantities.

Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-14-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-14-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: No hazardous waste present during inspection  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-24-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: AMC testing monitoring  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-25-2018



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-17-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HMBP, chemical inventory, site map, and notification procedures need to be submitted on CERS
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No violations observed.
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-14-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Form A, Form B, Financial Responsibility, site map, monitoring plan, and response plan need to be submitted to CERS

Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-25-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: No violations observed.  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-25-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-25-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-28-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Coordinates:  
Site ID: 67527  
Facility Name: Sidhu Chevron  
Env Int Type Code: HWG  
Program ID: 10466236  
Coord Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.468760  
Longitude: -121.822850

Affiliation:

Affiliation Type Desc: Legal Owner  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-7275

Affiliation Type Desc: Operator  
Entity Name: Pritam Sidhu  
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: (707) 301-5244

Affiliation Type Desc: UST Property Owner Name  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-5244

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Jaspreet Sidhu  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Jaspreet Sidhu

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Entity Title:	Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Sidhu Chevron
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Pritam Sidhu
Entity Title:	Not reported
Affiliation Address:	438 Peacock Way
Affiliation City:	Vacaville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95688
Affiliation Phone:	(707) 301-5244
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jaspreet Sidhu
Entity Title:	Not reported
Affiliation Address:	2599 North First Street
Affiliation City:	Dixon
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95688
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2599 North First Street
Affiliation City:	Dixon
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95620
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Pritam Sidhu
Entity Title:	Not reported
Affiliation Address:	438 Peacock Way
Affiliation City:	Vacaville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95688
Affiliation Phone:	(707) 301-7275

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Affiliation Type Desc: UST Permit Applicant  
Entity Name: jaspreet Sidhu  
Entity Title: secretary  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 301-7275

Affiliation Type Desc: UST Tank Owner  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-5244

**CERS TANKS:**

Name: SIDHU CHEVRON  
Address: 2599 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 67527  
CERS ID: 10466236  
CERS Description: Underground Storage Tank

**Violations:**

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 06-28-2017  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to have a UST Monitoring Plan available on site.  
Violation Notes: Returned to compliance on 01/25/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 a site map with all required content.  
Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Section(s) 25286(a)  
Violation Description: Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.  
Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-25-2016  
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 01/25/2016. Labels were faded. Corrected on site.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)  
Violation Description: Failure to report program data electronically.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 06-28-2017  
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712  
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.  
Violation Notes: Returned to compliance on 01/25/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)  
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299  
Violation Description: Failure to comply with one or more of the operating permit conditions.  
Violation Notes: Returned to compliance on 01/14/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-25-2016  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130  
Violation Description: Failure to properly handle, manage, label, and recycle used oil and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

fuel filters.  
Violation Notes: Returned to compliance on 01/25/2016. Corrected on site.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 06-28-2017  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 01/25/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.

Violation Notes: Returned to compliance on 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-24-2014  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/24/2014. Updated financial Responsibility forms - corrected on site  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 01/24/2016.  
Violation Division: Solano County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to 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 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to maintain on site an approved monitoring plan.  
Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 at or above reportable quantities.  
Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No hazardous waste present during inspection
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-24-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	AMC testing monitoring
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-17-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HMBP, chemical inventory, site map, and notification procedures need to be submitted on CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No violations observed.
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Form A, Form B, Financial Responsibility, site map, monitoring plan, and response plan need to be submitted to CERS
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No violations observed.
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-25-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-25-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-28-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Coordinates:  
Site ID: 67527  
Facility Name: Sidhu Chevron  
Env Int Type Code: HWG  
Program ID: 10466236  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.468760  
Longitude: -121.822850

Affiliation:  
Affiliation Type Desc: Legal Owner  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-7275

Affiliation Type Desc: Operator  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 301-5244

Affiliation Type Desc: UST Property Owner Name  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-5244

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Jaspreet Sidhu  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Jaspreet Sidhu  
Entity Title: Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Sidhu Chevron  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator  
Entity Name: Pritam Sidhu  
Entity Title: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-5244

Affiliation Type Desc: Environmental Contact  
Entity Name: Jaspreet Sidhu  
Entity Title: Not reported  
Affiliation Address: 2599 North First Street  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95688  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 2599 North First Street  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-7275

Affiliation Type Desc: UST Permit Applicant  
Entity Name: jaspreet Sidhu  
Entity Title: secretary  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 301-7275

Affiliation Type Desc: UST Tank Owner  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-5244

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

**CERS:**

Name: SIDHU CHEVRON  
Address: 2599 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 67527  
CERS ID: 10466236  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 06-28-2017  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
Violation Description: Failure to have a UST Monitoring Plan available on site.  
Violation Notes: Returned to compliance on 01/25/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 a site map with all required content.  
Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)  
Violation Description: Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.  
Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-25-2016  
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 01/25/2016. Labels were faded. Corrected on site.  
Violation Division: Solano County Environmental Health  
Violation Program: HW



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)  
Violation Description: Failure to report program data electronically.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 06-28-2017  
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712  
Violation Description: Failure to comply with any of the applicable requirements of the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

permit issued for the operation of the UST system.  
Returned to compliance on 01/25/2018.  
Violation Notes: Solano County Environmental Health  
Violation Division: UST  
Violation Program: CERS  
Violation Source:

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
Violation Date: 01-13-2015  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95,  
Section(s) 25508(d)  
Violation Description: Failure to complete and/or electronically submit a business plan when  
storing/handling a hazardous material at or above reportable  
quantities.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Violation Date: 01-14-2014  
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7,  
Section(s) 25299  
Violation Description: Failure to comply with one or more of the operating permit conditions.  
Violation Notes: Returned to compliance on 01/14/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-25-2016  
Violation Date: 01-25-2016  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22,  
Chapter 16, Section(s) 66266.130  
Violation Description: Failure to properly handle, manage, label, and recycle used oil and  
fuel filters.  
Violation Notes: Returned to compliance on 01/25/2016. Corrected on site.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 06-28-2017  
Violation Date: 06-28-2017  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code,  
Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of  
Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/25/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Violation Date: 01-14-2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
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 01/24/2016. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-24-2014  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 01/24/2014. Updated financial Responsibility forms - corrected on site  
Violation Division: Solano County Environmental Health  
Violation Program: UST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-13-2015  
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 training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 01/25/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

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 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 01-14-2014  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to maintain on site an approved monitoring plan.  
Violation Notes: Returned to compliance on 01/14/2014. Upload to CERS  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 67527  
Site Name: Sidhu Chevron  
Violation Date: 08-17-2015  
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 at or above reportable quantities.  
Violation Notes: Returned to compliance on 01/24/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-14-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-14-2014  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: No hazardous waste present during inspection  
Eval Division: Solano County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-24-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	AMC testing monitoring
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-17-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HMBP, chemical inventory, site map, and notification procedures need to be submitted on CERS
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No violations observed.
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Form A, Form B, Financial Responsibility, site map, monitoring plan, and response plan need to be submitted to CERS
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No violations observed.
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-28-2017

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Coordinates:

Site ID: 67527  
Facility Name: Sidhu Chevron  
Env Int Type Code: HWG  
Program ID: 10466236  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.468760  
Longitude: -121.822850

Affiliation:

Affiliation Type Desc: Legal Owner  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-7275

Affiliation Type Desc: Operator  
Entity Name: Pritam Sidhu  
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: (707) 301-5244

Affiliation Type Desc: UST Property Owner Name  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-5244

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Jaspreet Sidhu  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Jaspreet Sidhu  
Entity Title: Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Sidhu Chevron  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-5244

Affiliation Type Desc: Environmental Contact  
Entity Name: Jaspreet Sidhu  
Entity Title: Not reported  
Affiliation Address: 2599 North First Street  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95688  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 2599 North First Street  
Affiliation City: Dixon

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIDHU CHEVRON (Continued)**

**S121790264**

Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-7275

Affiliation Type Desc: UST Permit Applicant  
Entity Name: jaspreet Sidhu  
Entity Title: secretary  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 301-7275

Affiliation Type Desc: UST Tank Owner  
Entity Name: Pritam Sidhu  
Entity Title: Not reported  
Affiliation Address: 438 Peacock Way  
Affiliation City: Vacaville  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95688  
Affiliation Phone: (707) 301-5244

**E16**  
**North**  
**< 1/8**  
**0.109 mi.**  
**575 ft.**

**SIDHU CHEVRON**  
**2599 N 1ST ST**  
**DIXON, CA 95620**  
**Site 2 of 3 in cluster E**

**UST U004262648**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**67 ft.**

UST:  
Name: SIDHU CHEVRON  
Address: 2599 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Facility ID: 48-000-060064  
Permitting Agency: Solano County Environmental Health  
Latitude: 38.46876  
Longitude: -121.82285

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

E17  
North  
< 1/8  
0.109 mi.  
575 ft.

**SIDHU ARCO AM/PM DIXON**  
**2599 N 1ST ST**  
**DIXON, CA 95620**

EDR Hist Auto 1020651094  
N/A

Relative:  
Higher

EDR Hist Auto

Actual:  
67 ft.

Year:	Name:	Type:
2002	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2003	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2004	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2005	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2006	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2007	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2008	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2009	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2010	BP NORTH AMERICA	Gasoline Service Stations, NEC
2010	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2011	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2011	CHEVRON	Gasoline Service Stations, NEC
2011	BP NORTH AMERICA	Gasoline Service Stations, NEC
2012	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2013	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations
2014	SIDHU ARCO AM/PM DIXON	Gasoline Service Stations

F18  
SE  
< 1/8  
0.116 mi.  
611 ft.

**WILBUR ELLIS COMPANY**  
**1850 N 1ST ST**  
**DIXON, CA 95620**

RCRA-SQG 1000290764  
CAD058777756

Relative:  
Higher

RCRA-SQG:

Actual:  
67 ft.

Date form received by agency: 04/26/2011  
Facility name: WILBUR ELLIS COMPANY  
Facility address: 1850 N 1ST ST  
DIXON, CA 95620  
EPA ID: CAD058777756  
Mailing address: PO BOX 516  
HALSEY, OR 97348  
Contact: JAN THOMPSON  
Contact address: PO BOX 516  
HALSEY, OR 97348  
Contact country: US  
Contact telephone: 541-369-3624  
Contact email: JTHOMPSON@WILBURELLIS.COM  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WILBUR ELLIS CO  
Owner/operator address: 345 CALIFORNIA ST 27TH FLOOR  
SAN FRANCISCO, CA 94104  
Owner/operator country: US

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR ELLIS COMPANY (Continued)**

1000290764

Owner/operator telephone: 415-772-4000  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/2000  
Owner/Op end date: Not reported

Owner/operator name: WILBUR ELLIS CO  
Owner/operator address: Not reported  
Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2000  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/13/2002  
Site name: JOHN TAYLOR FERTILIZERS DIXON  
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D018  
. Waste name: BENZENE  
  
. Waste code: D039  
. Waste name: TETRACHLOROETHYLENE  
  
. Waste code: D040

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WILBUR ELLIS COMPANY (Continued)**

**1000290764**

Waste name: TRICHLORETHYLENE

Violation Status: No violations found

**F19  
 SE  
 < 1/8  
 0.116 mi.  
 611 ft.**

**WILBUR-ELLIS COMPANY - DIXON  
 1850 N 1ST ST  
 DIXON, CA 95620**

**CERS HAZ WASTE  
 CERS**

**S121749902  
 N/A**

**Site 2 of 3 in cluster F**

**Relative:  
 Higher  
 Actual:  
 67 ft.**

CERS HAZ WASTE:  
 Site ID: 171771  
 CERS ID: 10157631  
 CERS Description: Hazardous Waste Generator

Violations:  
 Site ID: 171771  
 Site Name: Wilbur-Ellis Company - Dixon  
 Violation Date: 06-30-2014  
 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 06/30/2014. Ensure weekly inspections of waste area are documented. Corrected on Site  
 Violation Division: Solano County Environmental Health  
 Violation Program: HW  
 Violation Source: CERS

Site ID: 171771  
 Site Name: Wilbur-Ellis Company - Dixon  
 Violation Date: 10-18-2017  
 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 04/09/2018.  
 Violation Division: Solano County Environmental Health  
 Violation Program: HW  
 Violation Source: CERS

Site ID: 171771  
 Site Name: Wilbur-Ellis Company - Dixon  
 Violation Date: 06-30-2014  
 Citation: 19 CCR 4.5 2755.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(a)  
 Violation Description: Failure to conduct a review of the hazards associated with the regulated substances, process, and procedures that identifies the following: 1. The hazards associated with the process and regulated substances; 2. Opportunities for equipment malfunctions or human errors that could cause an accidental release; 3. The safeguards used or needed to control the hazards or prevent equipment malfunction or human error; 4. Any steps used or needed to detect or monitor releases.  
 Violation Notes: Returned to compliance on 10/09/2014.  
 Violation Division: Solano County Environmental Health  
 Violation Program: CalARP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(a)  
Violation Description: Failure to conduct a review of the hazards associated with the regulated substances, process, and procedures that identifies the following: 1. The hazards associated with the process and regulated substances; 2. Opportunities for equipment malfunctions or human errors that could cause an accidental release; 3. The safeguards used or needed to control the hazards or prevent equipment malfunction or human error; 4. Any steps used or needed to detect or monitor releases.

Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2750.1 - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2750.1  
Violation Description: Failure to complete the five-year accident history as provided in Section 2750.9  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 and look for leaking and deteriorating containers.  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173  
Violation Description: Failure to properly close hazardous waste containers when not in active use.  
Violation Notes: Returned to compliance on 06/30/2014. Ensure tanks and containers are closed when not in active use. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/16/2015. Please update Solano Emergency response phone number to 707-421-7090  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/16/2015. Update inventory to include argon, CO2, propane, and waste oil filters  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173  
Violation Description: Failure to meet the following container management requirements: (a) A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)  
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer's recommendations, industry standards or codes, good engineering practices and prior operating experience).

Violation Notes: Returned to compliance on 06/30/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(a)  
Violation Description: Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.

Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/30/2014. Ensure containers are properly labeled. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 06/30/2014. Label aqueous ammonia tank as "EMPTY", secure propane cylinders. These items Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.7(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.7(a)  
Violation Description: Failure to investigate each incident which resulted in, or could reasonably have resulted in, a catastrophic release.  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(a)  
Violation Description: Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.  
Violation Notes: Returned to compliance on 07/30/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)  
Violation Description: Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)  
Violation Description: Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.  
Violation Notes: Returned to compliance on 07/30/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: HSC 6.95 25510(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25510(a)  
Violation Description: Failure to report a release or threatened release of a hazardous material to the unified program agency and to OES.  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130  
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.  
Violation Notes: Returned to compliance on 06/30/2014. Ensure waste oil filter containers are properly labeled. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-30-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-18-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-18-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-25-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-30-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-18-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-30-2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: CalARP  
Eval Source: CERS

Coordinates:

Site ID: 171771  
Facility Name: Wilbur-Ellis Company - Dixon  
Env Int Type Code: CalARP  
Program ID: 10157631  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.463520  
Longitude: -121.821020

Affiliation:

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Michael Kertzman  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Wilbur-Ellis Company 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: (707) 678-2358

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: PO Box 1027  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Tim Egbert  
Entity Title: Not reported  
Affiliation Address: 2400 Del Paso Road, Ste 150  
Affiliation City: Sacramento  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95834  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Michael Kertzman  
Entity Title: EHSS Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Wilbur-Ellis Company LLC  
Entity Title: Not reported  
Affiliation Address: 1850 N 1st St  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 678-2358

Affiliation Type Desc: Parent Corporation  
Entity Name: WILBUR-ELLIS COMPANY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Site ID: 171771  
CERS ID: 10157631  
CERS Description: Hazardous Chemical Management

Violations:  
Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/30/2014. Ensure weekly inspections of waste area are documented. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(a)  
Violation Description: Failure to conduct a review of the hazards associated with the regulated substances, process, and procedures that identifies the following: 1. The hazards associated with the process and regulated substances; 2. Opportunities for equipment malfunctions or human errors that could cause an accidental release; 3. The safeguards used or needed to control the hazards or prevent equipment malfunction or human error; 4. Any steps used or needed to detect or monitor releases.

Violation Notes: Returned to compliance on 10/09/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(a)  
Violation Description: Failure to conduct a review of the hazards associated with the regulated substances, process, and procedures that identifies the following: 1. The hazards associated with the process and regulated substances; 2. Opportunities for equipment malfunctions or human errors that could cause an accidental release; 3. The safeguards used or needed to control the hazards or prevent equipment malfunction or human error; 4. Any steps used or needed to detect or monitor releases.

Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Description: Section(s) Multiple  
Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2750.1 - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2750.1

Violation Description: Failure to complete the five-year accident history as provided in Section 2750.9  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 and look for leaking and deteriorating containers.  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to properly close hazardous waste containers when not in active use.  
Violation Notes: Returned to compliance on 06/30/2014. Ensure tanks and containers are closed when not in active use. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/16/2015. Please update Solano Emergency response phone number to 707-421-7090

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/16/2015. Update inventory to include argon, CO2, propane, and waste oil filters

Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

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 04/09/2018.

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 04/09/2018.

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)  
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer's recommendations, industry standards or codes, good engineering practices and prior operating experience).  
Violation Notes: Returned to compliance on 06/30/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(a)  
Violation Description: Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/30/2014. Ensure containers are properly labeled. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 06/30/2014. Label aqueous ammonia tank as "EMPTY", secure propane cylinders. These items Corrected on Site  
Violation Division: Solano County Environmental Health

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Distance  
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MAP FINDINGS

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Database(s)

EDR ID Number  
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**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.7(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.7(a)

Violation Description: Failure to investigate each incident which resulted in, or could reasonably have resulted in, a catastrophic release.

Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(a)

Violation Description: Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.

Violation Notes: Returned to compliance on 07/30/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)

Violation Description: Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.

Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)

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**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Description: Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.

Violation Notes: Returned to compliance on 07/30/2014.

Violation Division: Solano County Environmental Health

Violation Program: CalARP

Violation Source: CERS

Site ID: 171771

Site Name: Wilbur-Ellis Company - Dixon

Violation Date: 10-18-2017

Citation: HSC 6.95 25510(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25510(a)

Violation Description: Failure to report a release or threatened release of a hazardous material to the unified program agency and to OES.

Violation Notes: Returned to compliance on 04/09/2018.

Violation Division: Solano County Environmental Health

Violation Program: HMRRP

Violation Source: CERS

Site ID: 171771

Site Name: Wilbur-Ellis Company - Dixon

Violation Date: 06-30-2014

Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130

Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.

Violation Notes: Returned to compliance on 06/30/2014. Ensure waste oil filter containers are properly labeled. Corrected on Site

Violation Division: Solano County Environmental Health

Violation Program: HW

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-30-2014

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Solano County Environmental Health

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 10-18-2017

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Solano County Environmental Health

Eval Program: HW

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 10-18-2017

Violations Found: Yes

Eval Type: Routine done by local agency

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MAP FINDINGS

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**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS  
  
Eval General Type: Other/Unknown  
Eval Date: 06-25-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-30-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-18-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: CalARP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-30-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: CalARP  
Eval Source: CERS

Coordinates:  
Site ID: 171771  
Facility Name: Wilbur-Ellis Company - Dixon  
Env Int Type Code: CalARP  
Program ID: 10157631  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.463520  
Longitude: -121.821020

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500

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MAP FINDINGS

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Database(s)

EDR ID Number  
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**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Michael Kertzman  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Wilbur-Ellis Company 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: (707) 678-2358

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: PO Box 1027  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Tim Egbert  
Entity Title: Not reported  
Affiliation Address: 2400 Del Paso Road, Ste 150  
Affiliation City: Sacramento  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95834  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Michael Kertzman  
Entity Title: EHSS Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner

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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Entity Name: Wilbur-Ellis Company LLC  
Entity Title: Not reported  
Affiliation Address: 1850 N 1st St  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 678-2358

Affiliation Type Desc: Parent Corporation  
Entity Name: WILBUR-ELLIS COMPANY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**CERS:**

Name: WILBUR-ELLIS COMPANY - DIXON  
Address: 1850 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 171771  
CERS ID: 10157631  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/30/2014. Ensure weekly inspections of waste area are documented. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(a)  
Violation Description: Failure to conduct a review of the hazards associated with the regulated substances, process, and procedures that identifies the following: 1. The hazards associated with the process and regulated substances; 2. Opportunities for equipment malfunctions or human errors that could cause an accidental release; 3. The safeguards used or needed to control the hazards or prevent equipment malfunction or human error; 4. Any steps used or needed to detect or monitor releases.  
Violation Notes: Returned to compliance on 10/09/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(a)  
Violation Description: Failure to conduct a review of the hazards associated with the regulated substances, process, and procedures that identifies the following: 1. The hazards associated with the process and regulated substances; 2. Opportunities for equipment malfunctions or human errors that could cause an accidental release; 3. The safeguards used or needed to control the hazards or prevent equipment malfunction or human error; 4. Any steps used or needed to detect or monitor releases.  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2750.1 - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2750.1  
Violation Description: Failure to complete the five-year accident history as provided in Section 2750.9  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 and look for leaking and deteriorating containers.  
Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173  
Violation Description: Failure to properly close hazardous waste containers when not in active use.  
Violation Notes: Returned to compliance on 06/30/2014. Ensure tanks and containers are closed when not in active use. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/16/2015. Please update Solano Emergency response phone number to 707-421-7090  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95,



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

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 06/16/2015. Update inventory to include argon, CO2, propane, and waste oil filters  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173  
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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
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 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)  
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer?s recommendations, industry standards or codes, good engineering practices and prior operating experience).  
Violation Notes: Returned to compliance on 06/30/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Description: Chapter 4.5, Section(s) 2755.1(a)  
Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.

Violation Notes: Returned to compliance on 04/09/2018.

Violation Division: Solano County Environmental Health

Violation Program: CalARP

Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
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 06/30/2014. Ensure containers are properly labeled. Corrected on Site

Violation Division: Solano County Environmental Health

Violation Program: HW

Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 06/30/2014. Label aqueous ammonia tank as "EMPTY", secure propane cylinders. These items Corrected on Site

Violation Division: Solano County Environmental Health

Violation Program: HMRRP

Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.7(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.7(a)

Violation Description: Failure to investigate each incident which resulted in, or could reasonably have resulted in, a catastrophic release.

Violation Notes: Returned to compliance on 04/09/2018.

Violation Division: Solano County Environmental Health

Violation Program: CalARP

Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Description: Chapter 4.5, Section(s) 2755.1(a)  
Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.

Violation Notes: Returned to compliance on 07/30/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)

Violation Description: Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.

Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)

Violation Description: Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.

Violation Notes: Returned to compliance on 07/30/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: CalARP  
Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 10-18-2017  
Citation: HSC 6.95 25510(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25510(a)

Violation Description: Failure to report a release or threatened release of a hazardous material to the unified program agency and to OES.

Violation Notes: Returned to compliance on 04/09/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Violation Source: CERS

Site ID: 171771  
Site Name: Wilbur-Ellis Company - Dixon  
Violation Date: 06-30-2014  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130  
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.  
Violation Notes: Returned to compliance on 06/30/2014. Ensure waste oil filter containers are properly labeled. Corrected on Site  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-30-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-18-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-18-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 06-25-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-30-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-18-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: CalARP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-30-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: CalARP  
Eval Source: CERS

Coordinates:  
Site ID: 171771  
Facility Name: Wilbur-Ellis Company - Dixon  
Env Int Type Code: CalARP  
Program ID: 10157631  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.463520  
Longitude: -121.821020

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Michael Kertzman  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Wilbur-Ellis Company LLC  
Entity Title: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR-ELLIS COMPANY - DIXON (Continued)**

**S121749902**

Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 678-2358

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: PO Box 1027  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Tim Egbert  
Entity Title: Not reported  
Affiliation Address: 2400 Del Paso Road, Ste 150  
Affiliation City: Sacramento  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95834  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Michael Kertzman  
Entity Title: EHSS Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Wilbur-Ellis Company LLC  
Entity Title: Not reported  
Affiliation Address: 1850 N 1st St  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 678-2358

Affiliation Type Desc: Parent Corporation  
Entity Name: WILBUR-ELLIS COMPANY  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

F20  
SE  
< 1/8  
0.116 mi.  
611 ft.

**WILBUR - ELLIS**  
**1850 N FIRST ST**  
**DIXON, CA 95620**  
**Site 3 of 3 in cluster F**

**LUST** U003641545  
**CPS-SLIC** N/A  
**UST**  
**SWEEPS UST**  
**HIST CORTESE**  
**NPDES**  
**CERS**

Relative:  
Higher

Actual:  
67 ft.

SOLANO CO. LUST:  
Name: WILBUR - ELLIS  
Address: 1850 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 60037  
Facility Status: A  
Facility Status Desc: Active  
Facility Phone: 707-678-2358  
Program: 29S  
Inventory Number: 1  
Inventory Type: DTSC / RB Lead (129)  
Inventory Description: Not reported  
Last service/permit exp: Not reported  
Last service date: Not reported  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported

CPS-SLIC:  
Name: JOHN TAYLOR FERTILIZERS - DIXON  
Address: 1850 NORTH 1ST STREET  
City,State,Zip: DIXON, CA 95620-9785  
Region: STATE  
**Facility Status: Open - Verification Monitoring**  
Status Date: 01/01/2015  
Global Id: SL186182976  
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Lead Agency Case Number: Not reported  
Latitude: 38.463712  
Longitude: -121.821355  
Case Type: Cleanup Program Site  
Case Worker: AST  
Local Agency: Not reported  
RB Case Number: SL186182976  
File Location: Regional Board  
Potential Media Affected: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Nitrate  
Site History: a fuel leak on adjacent property is comingling with a nitrate plume from this property. Nitrate and fuel are both degrading where plumes have comingled.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 5:  
Name: John Taylor Fertilizer- Dixon  
Address: 1850 1st St N  
City: Dixon  
Region: 5  
Facility Status: RI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR - ELLIS (Continued)**

**U003641545**

Unit: Facility is a Spill or site  
Pollutant: VOCs, Nitrate, Chlorinated herbicides, petroleum  
Lead Agency: AST  
Date Filed: / /  
Report Date: / /  
Date Added: Not reported  
Date Closed: Not reported

**SOLANO CO. UST:**

Name: WILBUR - ELLIS  
Address: 1850 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
Facility Id: 60037  
Facility Status: Inactive  
Decode for Facility Status: Closed  
Facility Phone: 707-678-2358

Inventory Number: 1  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

**SWEEPS UST:**

Name: JOHN TAYLOR FERTILIZERS  
Address: 1850 N FIRST ST  
City: DIXON  
Status: Not reported  
Comp Number: 60037  
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: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**HIST CORTESE:**

edr\_fname: JOHN TAYLOR FERTILIZERS  
edr\_fadd1: 1850 1ST  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LNTKA  
Reg Id: 480137



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR - ELLIS (Continued)**

**U003641545**

NPDES:

Name: WILBUR ELLIS COMPANY LLC DIXON  
Address: 1850 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Facility Status: Active  
NPDES Number: CAS000001  
Region: 5S  
Agency Number: 0  
Regulatory Measure ID: 478081  
Place ID: Not reported  
Order Number: 97-03-DWQ  
WDID: 5S48I027561  
Regulatory Measure Type: Enrollee  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 01/31/2018  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: 345 CALIFORNIA ST  
Discharge Name: Wilbur Ellis Company LLC  
Discharge City: SAN FRANCISCO  
Discharge State: California  
Discharge Zip: 94104  
Status: Not reported  
Status Date: Not reported  
Operator Name: Not reported  
Operator Address: Not reported  
Operator City: Not reported  
Operator State: Not reported  
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: CAS000001  
Status: Active  
Agency Number: 0  
Region: 5S  
Regulatory Measure ID: 478081  
Order Number: 97-03-DWQ  
Regulatory Measure Type: Enrollee  
Place ID: Not reported  
WDID: 5S48I027561  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 01/31/2018  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Wilbur Ellis Company LLC  
Discharge Address: 345 CALIFORNIA ST  
Discharge City: SAN FRANCISCO  
Discharge State: California  
Discharge Zip: 94104  
Received Date: Not reported  
Processed Date: Not reported  
Status: Not reported  
Status Date: Not reported  
Place Size: Not reported  
Place Size Unit: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR - ELLIS (Continued)**

**U003641545**

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 Commercial 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:	WILBUR ELLIS COMPANY LLC DIXON
Address:	1850 N 1ST ST
City,State,Zip:	DIXON, CA 95620
Facility Status:	Not reported
NPDES Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR - ELLIS (Continued)**

**U003641545**

Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S481027561
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:	01/31/2018
Operator Name:	Wilbur Ellis Company LLC
Operator Address:	345 CALIFORNIA ST
Operator City:	SAN FRANCISCO
Operator State:	California
Operator Zip:	94104
NPDES as of 03/2018:	
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	478081
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S481027561
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/31/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Wilbur Ellis Company LLC
Discharge Address:	345 CALIFORNIA ST
Discharge City:	SAN FRANCISCO
Discharge State:	California
Discharge Zip:	94104
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILBUR - ELLIS (Continued)**

**U003641545**

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 Commercial 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

**CERS:**

Name:	WILBUR ELLIS COMPANY LLC DIXON
Address:	1850 N 1ST ST
City,State,Zip:	DIXON, CA 95620
Site ID:	505230
CERS ID:	849797
CERS Description:	Industrial Facility Storm Water

**Evaluation:**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-19-2018
Violations Found:	No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WILBUR - ELLIS (Continued)**

**U003641545**

Eval Type: Industrial Storm Water Compliance Evaluation  
 Eval Notes: See attached inspection report.  
 Eval Division: Water Boards  
 Eval Program: INDSTW  
 Eval Source: SMARTS

**Affiliation:**

Affiliation Type Desc: Owner/Operator  
 Entity Name: Wilbur Ellis Company LLC  
 Entity Title: Operator  
 Affiliation Address: 345 CALIFORNIA STFLOOR 27  
 Affiliation City: SAN FRANCISCO  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: 94104  
 Affiliation Phone: Not reported

Name: JOHN TAYLOR FERTILIZERS - DIXON  
 Address: 1850 NORTH 1ST STREET  
 City,State,Zip: DIXON, CA 95620-9785  
 Site ID: 224359  
 CERS ID: SL186182976  
 CERS Description: Cleanup Program Site

**Affiliation:**

Affiliation Type Desc: Regional Board Caseworker  
 Entity Name: AMY TERRELL - CENTRAL VALLEY RWQCB (REGION 5S)  
 Entity Title: Not reported  
 Affiliation Address: 11020 SUN CENTER DRIVE #200  
 Affiliation City: RANCHO CORDOVA  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: 9164644680

**G21**  
**SSE**  
**1/8-1/4**  
**0.143 mi.**  
**756 ft.**

**AUTOZONE #3668**  
**1650 N 1ST ST**  
**DIXON, CA 95620**  
**Site 1 of 2 in cluster G**

**CERS HAZ WASTE** **S121778353**  
**HAZNET** **N/A**  
**CERS**

**Relative:**  
**Lower**  
**Actual:**  
**66 ft.**

CERS HAZ WASTE:  
 Site ID: 410759  
 CERS ID: 10711696  
 CERS Description: Hazardous Waste Generator

**Violations:**

Site ID: 410759  
 Site Name: AutoZone #3668  
 Violation Date: 04-03-2017  
 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOZONE #3668 (Continued)**

**S121778353**

Violation Notes: date.  
Returned to compliance on 04/03/2017.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-03-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-03-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 410759  
Facility Name: AutoZone #3668  
Env Int Type Code: HMBP  
Program ID: 10711696  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.461580  
Longitude: -121.821780

Affiliation:  
Affiliation Type Desc: Document Preparer  
Entity Name: Deborah Williams  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Andrew Beaven  
Entity Title: Not reported  
Affiliation Address: 123 South Front Street, Dept. 8190  
Affiliation City: Memphis  
Affiliation State: TN  
Affiliation Country: Not reported  
Affiliation Zip: 38103  
Affiliation Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOZONE #3668 (Continued)**

**S121778353**

Affiliation Type Desc: Legal Owner  
Entity Name: AutoZone Stores Inc  
Entity Title: Not reported  
Affiliation Address: 123 South Front Street  
Affiliation City: Memphis  
Affiliation State: TN  
Affiliation Country: United States  
Affiliation Zip: 38103  
Affiliation Phone: (901) 495-6500

Affiliation Type Desc: Parent Corporation  
Entity Name: Auto Zone  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: AUTOZONE INC  
Entity Title: Not reported  
Affiliation Address: 123 South Front Street  
Affiliation City: Memphis  
Affiliation State: TN  
Affiliation Country: United States  
Affiliation Zip: 38103  
Affiliation Phone: (901) 495-6500

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 123 South Front Street, Dept. 8190  
Affiliation City: Memphis  
Affiliation State: TN  
Affiliation Country: Not reported  
Affiliation Zip: 38018  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Deborah Williams  
Entity Title: Environmental Coordinator  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOZONE #3668 (Continued)**

**S121778353**

Affiliation Zip: Not reported  
Affiliation Phone: Not reported  
  
Affiliation Type Desc: Operator  
Entity Name: AutoZone 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: (901) 495-6500

**HAZNET:**

Name: AUTOZONE #3668  
Address: 1650 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000418687  
Contact: BRYAN BLAIR  
Telephone: 9014957217  
Mailing Name: Not reported  
Mailing Address: 123 S FRONT ST DEPT 8190  
Mailing City,St,Zip: MEMPHIS, TN 381033607  
Gen County: Solano  
TSD EPA ID: NED981723513  
TSD County: 99  
Tons: 0.05  
CA Waste Code: 223-Unspecified oil-containing waste  
Method: H040-Incineration--Thermal Destruction Other Than Use As A Fuel  
Facility County: Solano

Name: AUTOZONE #3668  
Address: 1650 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000418687  
Contact: BRYAN BLAIR  
Telephone: 9014957217  
Mailing Name: Not reported  
Mailing Address: 123 S FRONT ST DEPT 8190  
Mailing City,St,Zip: MEMPHIS, TN 381033607  
Gen County: Solano  
TSD EPA ID: CAD980884183  
TSD County: Sacramento  
Tons: 0.012  
CA Waste Code: 331-Off-specification, aged or surplus organics  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Solano

Name: AUTOZONE #3668  
Address: 1650 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000418687



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOZONE #3668 (Continued)**

**S121778353**

Contact: BRYAN BLAIR  
Telephone: 9014957217  
Mailing Name: Not reported  
Mailing Address: 123 S FRONT ST DEPT 8190  
Mailing City,St,Zip: MEMPHIS, TN 381033607  
Gen County: Solano  
TSD EPA ID: CAD059494310  
TSD County: Santa Clara  
Tons: 0.175  
CA Waste Code: 352-Other organic solids  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Facility County: Solano

Name: AUTOZONE #3668  
Address: 1650 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000418687  
Contact: BRYAN BLAIR  
Telephone: 9014957217  
Mailing Name: Not reported  
Mailing Address: 123 S FRONT ST DEPT 8190  
Mailing City,St,Zip: MEMPHIS, TN 381033607  
Gen County: Solano  
TSD EPA ID: CAD980884183  
TSD County: Sacramento  
Tons: Not reported  
CA Waste Code: -  
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Facility County: Solano

Name: AUTOZONE #3668  
Address: 1650 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Year: 2017  
GEPaid: CAL000418687  
Contact: BRYAN BLAIR  
Telephone: 9014957217  
Mailing Name: Not reported  
Mailing Address: 123 S FRONT ST DEPT 8190  
Mailing City,St,Zip: MEMPHIS, TN 381033607  
Gen County: Solano  
TSD EPA ID: AZR000003681  
TSD County: 99  
Tons: 0.025  
CA Waste Code: 223-Unspecified oil-containing waste  
Method: H039-Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect  
Facility County: Solano

[Click this hyperlink](#) while viewing on your computer to access  
1 additional CA\_HAZNET: record(s) in the EDR Site Report.

CERS:

Name: AUTOZONE #3668

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOZONE #3668 (Continued)**

**S121778353**

Address: 1650 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
Site ID: 410759  
CERS ID: 10711696  
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 410759  
Site Name: AutoZone #3668  
Violation Date: 04-03-2017  
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 04/03/2017.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-03-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-03-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:

Site ID: 410759  
Facility Name: AutoZone #3668  
Env Int Type Code: HMBP  
Program ID: 10711696  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.461580  
Longitude: -121.821780

Affiliation:

Affiliation Type Desc: Document Preparer  
Entity Name: Deborah Williams  
Entity Title: Not reported  
Affiliation Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOZONE #3668 (Continued)**

**S121778353**

Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Andrew Beaven  
Entity Title: Not reported  
Affiliation Address: 123 South Front Street, Dept. 8190  
Affiliation City: Memphis  
Affiliation State: TN  
Affiliation Country: Not reported  
Affiliation Zip: 38103  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: AutoZone Stores Inc  
Entity Title: Not reported  
Affiliation Address: 123 South Front Street  
Affiliation City: Memphis  
Affiliation State: TN  
Affiliation Country: United States  
Affiliation Zip: 38103  
Affiliation Phone: (901) 495-6500

Affiliation Type Desc: Parent Corporation  
Entity Name: Auto Zone  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: AUTOZONE INC  
Entity Title: Not reported  
Affiliation Address: 123 South Front Street  
Affiliation City: Memphis  
Affiliation State: TN  
Affiliation Country: United States  
Affiliation Zip: 38103  
Affiliation Phone: (901) 495-6500

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Facility Mailing Address

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOZONE #3668 (Continued)**

**S121778353**

Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 123 South Front Street, Dept. 8190  
Affiliation City: Memphis  
Affiliation State: TN  
Affiliation Country: Not reported  
Affiliation Zip: 38018  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Deborah Williams  
Entity Title: Environmental Coordinator  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: AutoZone 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: (901) 495-6500

**G22**  
**SSE**  
**1/8-1/4**  
**0.143 mi.**  
**756 ft.**

**AUTOZONE #3668**  
**1650 N 1ST ST**  
**DIXON, CA 95620**

**RCRA NonGen / NLR** **1024855686**  
**CAL000418687**

**Site 2 of 2 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**66 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 07/07/2016  
Facility name: AUTOZONE #3668  
Facility address: 1650 N 1ST ST  
DIXON, CA 95620  
EPA ID: CAL000418687  
Mailing address: 123 S FRONT ST DEPT 8190  
MEMPHIS, TN 38103-3607  
Contact: BRYAN BLAIR  
Contact address: 123 S FRONT ST DEPT 8190  
MEMPHIS, TN 38103  
Contact country: Not reported  
Contact telephone: 901-495-7217  
Contact email: BRYAN.BLAIR@AUTOZONE.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:  
Owner/operator name: AUTOZONE INC  
Owner/operator address: 123 S FRONT ST DEPT 8190

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOZONE #3668 (Continued)**

**1024855686**

MEMPHIS, TN 38103  
Owner/operator country: Not reported  
Owner/operator telephone: 901-495-7217  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: BRYAN BLAIR  
Owner/operator address: 123 S FRONT ST DEPT 8190  
MEMPHIS, TN 38103

Owner/operator country: Not reported  
Owner/operator telephone: 901-495-7217  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**H23**  
**North**  
**1/8-1/4**  
**0.165 mi.**  
**871 ft.**

**VALERO DORSET**  
**170 DORSET DR**  
**DIXON, CA 95620**  
**Site 1 of 2 in cluster H**

**UST U003198000**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**67 ft.**

UST:  
Name: DORSET 76  
Address: 170 DORSET DR  
City,State,Zip: DIXON, CA 95620  
Facility ID: 48-000-060062  
Permitting Agency: Solano County Environmental Health  
Latitude: 38.46977  
Longitude: -121.82362

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VALERO DORSET (Continued)**

**U003198000**

Name: VALERO - DORSET  
Address: 170 DORSET DR  
City,State,Zip: DIXON, CA 95620  
Facility ID: 48-000-060062  
Permitting Agency: Solano County Environmental Health  
Latitude: 38.46977  
Longitude: -121.82362

**SOLANO CO. UST:**

Name: VALERO DORSET  
Address: 170 DORSET DR  
City,State,Zip: DIXON, CA 95620  
Facility Id: 60062  
Facility Status: Active  
Decode for Facility Status: Operating  
Facility Phone: 707-693-2960

Inventory Number: 1  
Inventory Type: Gas Station - Retail (111)  
Inventory Description: Not reported  
Permit Expire/Last Service: LETTER/REPORT REVIEW 06/30/19, 06/30/19  
Last Service Date: 8/9/2018  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

Name: VALERO DORSET  
Address: 170 DORSET DR  
City,State,Zip: DIXON, CA 95620

Inventory Number: 2  
Inventory Type: Gas Station - Retail (111)  
Inventory Description: Not reported  
Permit Expire/Last Service: ROUTINE - INITIAL (INVENTORIED) 06/30/19, 06/30/19  
Last Service Date: 5/30/2018  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

Name: VALERO DORSET  
Address: 170 DORSET DR  
City,State,Zip: DIXON, CA 95620

Inventory Number: 3  
Inventory Type: Gas Station - Retail (111)  
Inventory Description: Not reported  
Permit Expire/Last Service: ROUTINE - INITIAL (INVENTORIED) 06/30/19, 06/30/19  
Last Service Date: 5/30/2018  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**H24**  
**North**  
**1/8-1/4**  
**0.165 mi.**  
**871 ft.**

**DORSET 76**  
**170 DORSET DR**  
**DIXON, CA 95620**

**CERS HAZ WASTE**  
**CERS TANKS**  
**CERS**

**S121776718**  
**N/A**

**Site 2 of 2 in cluster H**

**Relative:**  
**Higher**  
**Actual:**  
**67 ft.**

CERS HAZ WASTE:  
 Site ID: 405255  
 CERS ID: 10609927  
 CERS Description: Hazardous Waste Generator

Violations:  
 Site ID: 405255  
 Site Name: Dorset 76  
 Violation Date: 11-17-2015  
 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 at or above reportable quantities.  
 Violation Notes: Returned to compliance on 03/31/2016.  
 Violation Division: Solano County Environmental Health  
 Violation Program: HMRRP  
 Violation Source: CERS

Site ID: 405255  
 Site Name: Dorset 76  
 Violation Date: 01-13-2015  
 Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)  
 Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
 Violation Notes: Returned to compliance on 08/19/2015.  
 Violation Division: Solano County Environmental Health  
 Violation Program: HMRRP  
 Violation Source: CERS

Site ID: 405255  
 Site Name: Dorset 76  
 Violation Date: 08-26-2013  
 Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)  
 Violation Description: Failure to maintain on site an approved monitoring plan.  
 Violation Notes: Returned to compliance on 03/23/2015.  
 Violation Division: Solano County Environmental Health  
 Violation Program: UST  
 Violation Source: CERS

Site ID: 405255  
 Site Name: Dorset 76  
 Violation Date: 01-13-2015  
 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 a site map with all required content.  
 Violation Notes: Returned to compliance on 08/19/2015.  
 Violation Division: Solano County Environmental Health  
 Violation Program: HMRRP  
 Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284  
Violation Description: Failure to obtain and maintain a valid operation permit from the CUPA.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)  
Violation Description: Failure to report program data electronically.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to 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 03/31/2016.  
Violation Division: Solano County Environmental Health



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
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 a site map with all required content.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-25-2016  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 09/19/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

thresholds quantities of 55 gallons/500 lbs/200 cubic feet.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 09-14-2017  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 05/29/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507  
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
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 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
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 training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)  
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

**Evaluation:**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-19-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: No violations observed.  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-26-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-14-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-30-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	No violations observed.
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-14-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-30-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-30-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-26-2013  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Date: 11-17-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-19-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: No violations observed.  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-26-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-14-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Coordinates:  
Site ID: 405255  
Facility Name: Dorset 76  
Env Int Type Code: HMBP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Program ID: 10609927  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.469770  
Longitude: -121.823620

Affiliation:

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Anthony kandahari  
Entity Title: Owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Anthony Kandahari  
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: (707) 386-4552

Affiliation Type Desc: Parent Corporation  
Entity Name: Valero - Dorset  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Anthony Kandahari  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Affiliation Type Desc: Legal Owner  
Entity Name: Popak, Inc  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 693-2960

Affiliation Type Desc: UST Property Owner Name  
Entity Name: 170Dorset LLC  
Entity Title: Not reported  
Affiliation Address: One Sansome St Ste 1500  
Affiliation City: San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94104  
Affiliation Phone: (415) 302-6447

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: anthony kandahari  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator  
Entity Name: Popak, Inc  
Entity Title: Not reported  
Affiliation Address: 170 dorset dr  
Affiliation City: Dixon  
Affiliation State: ca  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 693-2960

Affiliation Type Desc: UST Permit Applicant  
Entity Name: anthony kandahari  
Entity Title: owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Affiliation Zip: Not reported  
Affiliation Phone: (707) 386-4552  
  
Affiliation Type Desc: UST Tank Owner  
Entity Name: 170Dorset LLC  
Entity Title: Not reported  
Affiliation Address: One Sansome St Ste 1500  
Affiliation City: San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94104  
Affiliation Phone: (415) 302-6447

**CERS TANKS:**

Name: DORSET 76  
Address: 170 DORSET DR  
City,State,Zip: DIXON, CA 95620  
Site ID: 405255  
CERS ID: 10609927  
CERS Description: Underground Storage Tank

**Violations:**

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
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 at or above reportable quantities.

Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to maintain on site an approved monitoring plan.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
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 a site map with all required content.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284  
Violation Description: Failure to obtain and maintain a valid operation permit from the CUPA.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)  
Violation Description: Failure to report program data electronically.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to 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 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
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 a site map with all required content.

Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-25-2016

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 09/19/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 09-14-2017  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 05/29/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507  
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
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 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
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 training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)  
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-19-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: No violations observed.  
Eval Division: Solano County Environmental Health  
Eval Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-26-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-14-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-30-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-19-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Date: 08-19-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-19-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: No violations observed.  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-14-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-30-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-30-2018  
Violations Found: No  
Eval Type: Routine done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-26-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	No violations observed.
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-25-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-26-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-14-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Source: CERS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Coordinates:  
Site ID: 405255  
Facility Name: Dorset 76  
Env Int Type Code: HMBP  
Program ID: 10609927  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.469770  
Longitude: -121.823620

Affiliation:  
Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Anthony kandahari  
Entity Title: Owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: Anthony Kandahari  
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: (707) 386-4552

Affiliation Type Desc: Parent Corporation  
Entity Name: Valero - Dorset  
Entity Title: Not reported  
Affiliation Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Anthony Kandahari  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Popak, Inc  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 693-2960

Affiliation Type Desc: UST Property Owner Name  
Entity Name: 170Dorset LLC  
Entity Title: Not reported  
Affiliation Address: One Sansome St Ste 1500  
Affiliation City: San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94104  
Affiliation Phone: (415) 302-6447

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: anthony kandahari  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Entity Name: Popak, Inc  
Entity Title: Not reported  
Affiliation Address: 170 dorset dr  
Affiliation City: Dixon  
Affiliation State: ca  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 693-2960

Affiliation Type Desc: UST Permit Applicant  
Entity Name: anthony kandahari  
Entity Title: owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 386-4552

Affiliation Type Desc: UST Tank Owner  
Entity Name: 170Dorset LLC  
Entity Title: Not reported  
Affiliation Address: One Sansome St Ste 1500  
Affiliation City: San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94104  
Affiliation Phone: (415) 302-6447

CERS:  
Name: DORSET 76  
Address: 170 DORSET DR  
City,State,Zip: DIXON, CA 95620  
Site ID: 405255  
CERS ID: 10609927  
CERS Description: Chemical Storage Facilities

Violations:  
Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
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 at or above reportable quantities.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to maintain on site an approved monitoring plan.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
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 a site map with all required content.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284  
Violation Description: Failure to obtain and maintain a valid operation permit from the CUPA.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)  
Violation Description: Failure to report program data electronically.  
Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to 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 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
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 a site map with all required content.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34  
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.  
Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: UST  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-25-2016  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 09/19/2016.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
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 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 09-14-2017  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 05/29/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 11-17-2015  
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507  
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 03/31/2016.  
Violation Division: Solano County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
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 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
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 training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 01-13-2015  
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)  
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.

Violation Notes: Returned to compliance on 08/19/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 405255  
Site Name: Dorset 76  
Violation Date: 08-26-2013  
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)  
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.

Violation Notes: Returned to compliance on 03/23/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-19-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: No violations observed.  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-26-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-14-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-13-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-30-2018  
Violations Found: No  
Eval Type: Routine done by local agency



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	No violations observed.
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-14-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Solano County Environmental Health
Eval Program:	HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-30-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-30-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-26-2013  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 11-17-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Other/Unknown  
Eval Date: 08-19-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: No violations observed.  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2016  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Eval Date: 08-26-2013  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: UST  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-14-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-15-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Coordinates:  
Site ID: 405255  
Facility Name: Dorset 76  
Env Int Type Code: HMBP  
Program ID: 10609927  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.469770  
Longitude: -121.823620

Affiliation:  
Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Anthony kandahari  
Entity Title: Owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Affiliation Type Desc: Operator  
Entity Name: Anthony Kandahari  
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: (707) 386-4552

Affiliation Type Desc: Parent Corporation  
Entity Name: Valero - Dorset  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Anthony Kandahari  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Popak, Inc  
Entity Title: Not reported  
Affiliation Address: 170 Dorset Dr  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 693-2960

Affiliation Type Desc: UST Property Owner Name  
Entity Name: 170Dorset LLC  
Entity Title: Not reported  
Affiliation Address: One Sansome St Ste 1500  
Affiliation City: San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94104  
Affiliation Phone: (415) 302-6447

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DORSET 76 (Continued)**

**S121776718**

Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: anthony kandahari  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator  
Entity Name: Popak, Inc  
Entity Title: Not reported  
Affiliation Address: 170 dorset dr  
Affiliation City: Dixon  
Affiliation State: ca  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 693-2960

Affiliation Type Desc: UST Permit Applicant  
Entity Name: anthony kandahari  
Entity Title: owner  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 386-4552

Affiliation Type Desc: UST Tank Owner  
Entity Name: 170Dorset LLC  
Entity Title: Not reported  
Affiliation Address: One Sansome St Ste 1500  
Affiliation City: San Francisco  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94104  
Affiliation Phone: (415) 302-6447

Name: DORSET 76  
Address: 170 DORSET DR.  
City,State,Zip: DIXON, CA 95620-9216  
Site ID: 464974  
CERS ID: 110021084681  
CERS Description: US EPA Air Emission Inventory System (EIS)

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**25**  
**North**  
**1/8-1/4**  
**0.179 mi.**  
**944 ft.**

**CHEVRON #9-1605**  
**2705 1ST ST N**  
**DIXON, CA 95620**

**LUST**    **S104403757**  
**HIST CORTESE**    **N/A**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**67 ft.**

**LUST:**  
 Name: CHEVRON #9-1605  
 Address: 2705 1ST ST N  
 City,State,Zip: DIXON, CA 95620  
 Lead Agency: SOLANO COUNTY LOP  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500392](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500392)  
 Global Id: T0609500392  
 Latitude: 38.4494684  
 Longitude: -121.8593739  
 Status: Completed - Case Closed  
 Status Date: 06/15/1992  
 Case Worker: MCK  
 RB Case Number: 480144  
 Local Agency: SOLANO COUNTY LOP  
 File Location: Local Agency Warehouse  
 Local Case Number: 60006  
 Potential Media Affect: Soil  
 Potential Contaminants of Concern: Gasoline  
 Site History: Not reported

**LUST:**  
 Global Id: T0609500392  
 Contact Type: Local Agency Caseworker  
 Contact Name: MISTY C. KALTREIDER  
 Organization Name: SOLANO COUNTY LOP  
 Address: 675 TEXAS STREET, SUITE 5500  
 City: FAIRFIELD  
 Email: mkaltreider@solanocounty.com  
 Phone Number: 7077846765

**LUST:**  
 Global Id: T0609500392  
 Action Type: Other  
 Date: 10/02/1990  
 Action: Leak Discovery

Global Id: T0609500392  
 Action Type: Other  
 Date: 10/02/1990  
 Action: Leak Stopped

Global Id: T0609500392  
 Action Type: Other  
 Date: 12/09/1991  
 Action: Leak Reported

**LUST:**  
 Global Id: T0609500392  
 Status: Completed - Case Closed  
 Status Date: 06/15/1992

Global Id: T0609500392

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON #9-1605 (Continued)**

**S104403757**

Status: Open - Case Begin Date  
Status Date: 10/02/1990  
  
Global Id: T0609500392  
Status: Open - Site Assessment  
Status Date: 10/09/1991  
  
Global Id: T0609500392  
Status: Open - Site Assessment  
Status Date: 12/09/1991

**LUST REG 5:**

Name: CHEVRON #9-1605  
Address: 2705 1ST ST N  
City: DIXON  
Region: 5  
Status: Case Closed  
Case Number: 480144  
Case Type: Soil only  
Substance: GASOLINE  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

**HIST CORTESE:**

edr\_fname: CHEVRON #9-1605  
edr\_fadd1: 2705 1ST  
City,State,Zip: DIXON, CA  
Region: CORTESE  
Facility County Code: 48  
Reg By: LNTKA  
Reg Id: 480144

**CERS:**

Name: CHEVRON #9-1605  
Address: 2705 1ST ST N  
City,State,Zip: DIXON, CA 95620  
Site ID: 189343  
CERS ID: T0609500392  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: MISTY C. KALTREIDER - SOLANO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 675 TEXAS STREET, SUITE 5500  
Affiliation City: FAIRFIELD  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7077846765

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

I26  
South  
1/8-1/4  
0.195 mi.  
1030 ft.

**BOCK IND INC DBA DIXON HARDWARE AND LUMBER**  
1505 N 1ST ST  
DIXON, CA 95620

RCRA NonGen / NLR 1024834128  
CAL000374191

Site 1 of 2 in cluster I

Relative:  
Lower

RCRA NonGen / NLR:

Actual:  
65 ft.

Date form received by agency: 05/02/2012  
Facility name: BOCK IND INC DBA DIXON HARDWARE AND LUMBER  
Facility address: 1505 N 1ST ST  
DIXON, CA 95620-9798  
EPA ID: CAL000374191  
Contact: TED HART  
Contact address: 1505 N 1ST ST  
DIXON, CA 95620  
Contact country: Not reported  
Contact telephone: 707-678-5521  
Contact email: TEDHART@DIXONHARDWARE.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BOCK IND  
Owner/operator address: 170 S 3RD ST  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-678-5521  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: TED HART  
Owner/operator address: 1505 N 1ST ST  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-678-5521  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOCK IND INC DBA DIXON HARDWARE AND LUMBER (Continued)**

**1024834128**

Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**I27**  
**SSE**  
**1/8-1/4**  
**0.199 mi.**  
**1053 ft.**

**RAMOS CARDLOCK & BULK FAC**  
**1600 1ST**  
**DIXON, CA 95620**  
**Site 2 of 2 in cluster I**

**HIST CORTESE** **S104403768**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**62 ft.**

**HIST CORTESE:**  
edr\_fname: RAMOS CARDLOCK & BULK FAC  
edr\_fadd1: 1600 1ST  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LNTKA  
Reg Id: 480217

**J28**  
**South**  
**1/8-1/4**  
**0.244 mi.**  
**1289 ft.**

**GLOBAL RENTAL CO**  
**1450 N FIRST ST**  
**DIXON, CA 95620**  
**Site 1 of 3 in cluster J**

**UST** **U003641537**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**68 ft.**

**SOLANO CO. UST:**  
Name: GLOBAL RENTAL CO  
Address: 1450 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
Facility Id: 60021  
Facility Status: Inactive  
Decode for Facility Status: Closed  
Facility Phone: 414-789-5511  
  
Inventory Number: 1  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S  
  
Name: GLOBAL RENTAL CO  
Address: 1450 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
  
Inventory Number: 2  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GLOBAL RENTAL CO (Continued)**

**U003641537**

District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S  
  
Name: GLOBAL RENTAL CO  
Address: 1450 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
  
Inventory Number: 3  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

**J29**  
**South**  
**1/8-1/4**  
**0.244 mi.**  
**1289 ft.**

**EMIL ROSSI AND CO**  
**1450 NORTH FIRST ST**  
**DIXON, CA 95620**

**SWEEPS UST** **S106927196**  
**HIST UST** **N/A**

**Site 2 of 3 in cluster J**

**Relative:**  
**Higher**  
  
**Actual:**  
**68 ft.**

**SWEEPS UST:**  
Name: HEIL EQUIPMENT COMPANY  
Address: 1450 N FIRST ST  
City: DIXON  
Status: Not reported  
Comp Number: 60021  
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: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**HIST UST:**  
Name: EMIL ROSSI AND CO  
Address: 1450 NORTH FIRST ST  
City,State,Zip: DIXON, CA 95620  
File Number: 00021270  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021270.pdf>  
Region: Not reported  
Facility ID: Not reported  
Facility Type: Not reported  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: Not reported  
Owner Name: Not reported  
Owner Address: Not reported  
Owner City,St,Zip: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMIL ROSSI AND CO (Continued)**

**S106927196**

Total Tanks: Not reported  
Tank Num: Not reported  
Container Num: Not reported  
Year Installed: Not reported  
Tank Capacity: Not reported  
Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

**J30**  
**South**  
**1/8-1/4**  
**0.244 mi.**  
**1289 ft.**

**EMIL ROSSI & CO**  
**1450 N 1ST ST**  
**DIXON, CA 95620**

**HIST UST** **U001612671**  
**N/A**

**Site 3 of 3 in cluster J**

**Relative:**  
**Higher**

HIST UST:

**Actual:**  
**68 ft.**

Name: EMIL ROSSI & CO  
Address: 1450 N 1ST ST  
City,State,Zip: DIXON, CA 95620  
File Number: Not reported  
URL: Not reported  
Region: STATE  
Facility ID: 00000013711  
Facility Type: Other  
Other Type: FARM MACHY DLR.  
Contact Name: Not reported  
Telephone: 9166784411  
Owner Name: EMIL ROSSI & CO.  
Owner Address: 1450 NORTH FIRST ST  
Owner City,St,Zip: DIXON, CA 95620  
Total Tanks: 0003

Tank Num: 001  
Container Num: R-1  
Year Installed: 1977  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: 0.31  
Leak Detection: Visual, Stock Inventor

Tank Num: 002  
Container Num: R-2  
Year Installed: 1977  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: 0.31  
Leak Detection: Visual, Stock Inventor

Tank Num: 003  
Container Num: R-3  
Year Installed: 1977  
Tank Capacity: 00000500

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMIL ROSSI & CO (Continued)**

**U001612671**

Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: 0.31  
Leak Detection: Visual, Stock Inventor

**31**  
**SSE**  
**1/8-1/4**  
**0.249 mi.**  
**1314 ft.**

**TIPTON J WOODWORK INC**  
**INDUSTRIAL WAY**  
**DIXON, CA 95620**

**RCRA-SQG** **1000417354**  
**CAD041840042**

**Relative:**  
**Higher**  
**Actual:**  
**67 ft.**

RCRA-SQG:  
Date form received by agency: 09/01/1996  
Facility name: TIPTON J WOODWORK INC  
Facility address: INDUSTRIAL WAY  
DIXON, CA 95620  
EPA ID: CAD041840042  
Contact: Not reported  
Contact address: Not reported  
Not reported  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:  
Owner/operator name: J TIPTON CO INC A CORPATION  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
  
Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TIPTON J WOODWORK INC (Continued)**

**1000417354**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**K32**  
**South**  
**1/4-1/2**  
**0.350 mi.**  
**1850 ft.**  
**Relative:**  
**Lower**  
**Actual:**  
**65 ft.**

**RON DUPRATT FORD**  
**1320 N 1ST ST**  
**DIXON, CA 95620**  
**Site 1 of 2 in cluster K**

**RCRA-SQG** **1000856987**  
**LUST** **CA0000011767**  
**UST**  
**SWEEPS UST**  
**HIST UST**  
**FINDS**  
**ECHO**  
**EMI**  
**HIST CORTESE**

RCRA-SQG:

Date form received by agency: 09/27/1993  
Facility name: RON DUPRATT FORD  
Facility address: 1320 N 1ST ST  
DIXON, CA 95620  
EPA ID: CA0000011767  
Mailing address: N 1ST ST  
DIXON, CA 95620  
Contact: AL BIELERT  
Contact address: 1320 N 1ST ST  
DIXON, CA 95620  
Contact country: US  
Contact telephone: 916-678-5555  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RON DUPRATT FORD  
Owner/operator address: 1320 N 1ST ST  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 916-678-5555  
Owner/operator email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

LUST:

Name: RON DUPRATT FORD  
Address: 1320 1ST ST N  
City,State,Zip: DIXON, CA 95620  
Lead Agency: SOLANO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500345](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500345)  
Global Id: T0609500345  
Latitude: 38.4568312  
Longitude: -121.8223197  
Status: Completed - Case Closed  
Status Date: 06/02/1998  
Case Worker: MCK  
RB Case Number: 480067  
Local Agency: SOLANO COUNTY LOP  
File Location: Not reported  
Local Case Number: 60038  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

LUST:

Global Id: T0609500345  
Contact Type: Local Agency Caseworker  
Contact Name: MISTY C. KALTREIDER  
Organization Name: SOLANO COUNTY LOP  
Address: 675 TEXAS STREET, SUITE 5500  
City: FAIRFIELD  
Email: [mkaltreider@solanocounty.com](mailto:mkaltreider@solanocounty.com)  
Phone Number: 7077846765

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

LUST:

Global Id: T0609500345  
Action Type: Other  
Date: 04/21/1988  
Action: Leak Discovery

Global Id: T0609500345  
Action Type: Other  
Date: 02/17/1988  
Action: Leak Reported

LUST:

Global Id: T0609500345  
Status: Completed - Case Closed  
Status Date: 06/02/1998

Global Id: T0609500345  
Status: Open - Case Begin Date  
Status Date: 02/17/1988

Global Id: T0609500345  
Status: Open - Site Assessment  
Status Date: 11/09/1988

LUST REG 5:

Name: RON DUPRATT FORD  
Address: 1320 1ST ST N  
City: DIXON  
Region: 5  
Status: Case Closed  
Case Number: 480067  
Case Type: Soil only  
Substance: WASTE OIL  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

SOLANO CO. LUST:

Name: RON DUPRATT FORD  
Address: 1320 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 60038  
Facility Status: I  
Facility Status Desc: Inactive  
Facility Phone: 707-678-5555  
Program: 29S  
Inventory Number: 1  
Inventory Type: LOP - Closed Site (128)  
Inventory Description: Not reported  
Last service/permit exp: ISSUANCE OF A CLOSURE DOCUMENT  
Last service date: 08/27/2003  
District: SUP-DIST NO 3037

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

Inspector: Kaltreider, Misty  
Call Back: Not reported

**SOLANO CO. UST:**

Name: RON DUPRATT FORD  
Address: 1320 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
Facility Id: 60038  
Facility Status: Inactive  
Decode for Facility Status: Closed  
Facility Phone: 707-678-5555

Inventory Number: 1  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: RECORD REVIEW  
Last Service Date: 11/6/2003  
District: SUP-DIST NO 3033  
Inspector: LaPlace, Colby S

**SWEEPS UST:**

Name: DU PRATT FORD  
Address: 1320 N FIRST ST  
City: DIXON  
Status: Not reported  
Comp Number: 60038  
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: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**HIST UST:**

Name: RON DUPRATT FORD  
Address: 1320 NORTH FIRST ST  
City,State,Zip: DIXON, CA 95620  
File Number: 0002137D  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002137D.pdf>  
Region: Not reported  
Facility ID: Not reported  
Facility Type: Not reported  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: Not reported  
Owner Name: Not reported  
Owner Address: Not reported  
Owner City,St,Zip: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

Total Tanks: Not reported  
Tank Num: Not reported  
Container Num: Not reported  
Year Installed: Not reported  
Tank Capacity: Not reported  
Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Not reported

Click here for Geo Tracker PDF:

**FINDS:**

Registry ID: 110002610746

Environmental Interest/Information System  
AIR EMISSIONS CLASSIFICATION UNKNOWN

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000856987  
Registry ID: 110002610746  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002610746>

**EMI:**

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 1998  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 1999  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2000  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2001  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

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: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2002  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2003  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2004  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.54661403  
Reactive Organic Gases Tons/Yr: 0.54  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0.010416667  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.01

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2005  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .2935519789452373722  
Reactive Organic Gases Tons/Yr: .29  
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 Smlr Tons/Yr:0

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2006  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .2935519789452373722  
Reactive Organic Gases Tons/Yr: .29  
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 Smlr Tons/Yr:0

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2007  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .4757566555319364308  
Reactive Organic Gases Tons/Yr: .47  
Carbon Monoxide Emissions Tons/Yr: .01  
NOX - Oxides of Nitrogen Tons/Yr: .01  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: .02083333333333333333  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.02

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2008  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .4757566555319364308  
Reactive Organic Gases Tons/Yr: .47  
Carbon Monoxide Emissions Tons/Yr: .01  
NOX - Oxides of Nitrogen Tons/Yr: .01  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: .02083333333333333333  
Part. Matter 10 Micrometers and Smlr Tons/Yr:.02

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2009  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.47575665553193602  
Reactive Organic Gases Tons/Yr: 0.46999999999999997  
Carbon Monoxide Emissions Tons/Yr: 0.01  
NOX - Oxides of Nitrogen Tons/Yr: 0.01  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 2.0833333333333301E-2  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.02

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2010  
County Code: 48

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.71921374621970202  
Reactive Organic Gases Tons/Yr: 0.51000000000000001  
Carbon Monoxide Emissions Tons/Yr: 0.16  
NOX - Oxides of Nitrogen Tons/Yr: 0.19  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 3.0833333333333299E-2  
Part. Matter 10 Micrometers and Smlr Tons/Yr:2.999999999999999E-2

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2011  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.71921374622  
Reactive Organic Gases Tons/Yr: 0.51  
Carbon Monoxide Emissions Tons/Yr: 0.16  
NOX - Oxides of Nitrogen Tons/Yr: 0.19  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0.0308333333333  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.03

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2012  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.71921374622  
Reactive Organic Gases Tons/Yr: 0.51  
Carbon Monoxide Emissions Tons/Yr: 0.16  
NOX - Oxides of Nitrogen Tons/Yr: 0.19  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0.0308333333333  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.03

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

City,State,Zip: DIXON, CA 95620  
Year: 2013  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1.693042109  
Reactive Organic Gases Tons/Yr: 0.67  
Carbon Monoxide Emissions Tons/Yr: 0.01  
NOX - Oxides of Nitrogen Tons/Yr: 0.01  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0.030833333333  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.03

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2014  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1.6591886082  
Reactive Organic Gases Tons/Yr: 0.67  
Carbon Monoxide Emissions Tons/Yr: 0.01  
NOX - Oxides of Nitrogen Tons/Yr: 0.01  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0.030833333333  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.03

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2015  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO/SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1.6591886082  
Reactive Organic Gases Tons/Yr: 0.67  
Carbon Monoxide Emissions Tons/Yr: 0.01  
NOX - Oxides of Nitrogen Tons/Yr: 0.01  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0.030833333333  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.03

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RON DUPRATT FORD (Continued)**

**1000856987**

Name: RON DUPRATT FORD, INC.  
Address: 1320 NORTH FIRST STREET  
City,State,Zip: DIXON, CA 95620  
Year: 2016  
County Code: 48  
Air Basin: SV  
Facility ID: 5220  
Air District Name: YS  
SIC Code: 5511  
Air District Name: YOLO-SOLANO AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.13002897186  
Reactive Organic Gases Tons/Yr: 0.08  
Carbon Monoxide Emissions Tons/Yr: 0.08  
NOX - Oxides of Nitrogen Tons/Yr: 0.09  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0.01  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.01

**HIST CORTESE:**

edr\_fname: RON DUPRATT FORD  
edr\_fadd1: 1320 1ST  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LNTKA  
Reg Id: 480067

**K33**  
**South**  
**1/4-1/2**  
**0.385 mi.**  
**2035 ft.**

**LIAL DEVELOPMENT (MF)**  
**1205 1ST ST N**  
**DIXON, CA 95620**  
**Site 2 of 2 in cluster K**

**LUST** **S104403759**  
**HIST CORTESE** **N/A**  
**CERS**

**Relative:**  
**Lower**  
**Actual:**  
**65 ft.**

**LUST:**  
Name: LIAL DEVELOPMENT (MF)  
Address: 1205 1ST ST N  
City,State,Zip: DIXON, CA 95620  
Lead Agency: SOLANO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500402](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500402)  
Global Id: T0609500402  
Latitude: 38.4556822  
Longitude: -121.8225997  
Status: Completed - Case Closed  
Status Date: 05/14/1996  
Case Worker: MCK  
RB Case Number: 480159  
Local Agency: SOLANO COUNTY LOP  
File Location: Not reported  
Local Case Number: 60055  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**  
Global Id: T0609500402



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIAL DEVELOPMENT (MF) (Continued)**

**S104403759**

Contact Type: Local Agency Caseworker  
Contact Name: MISTY C. KALTREIDER  
Organization Name: SOLANO COUNTY LOP  
Address: 675 TEXAS STREET, SUITE 5500  
City: FAIRFIELD  
Email: mkaltreider@solanocounty.com  
Phone Number: 7077846765

**LUST:**

Global Id: T0609500402  
Action Type: Other  
Date: 04/24/1992  
Action: Leak Discovery

Global Id: T0609500402  
Action Type: Other  
Date: 05/01/1992  
Action: Leak Stopped

Global Id: T0609500402  
Action Type: Other  
Date: 01/06/1993  
Action: Leak Reported

**LUST:**

Global Id: T0609500402  
Status: Completed - Case Closed  
Status Date: 05/14/1996

Global Id: T0609500402  
Status: Open - Case Begin Date  
Status Date: 01/01/1988

Global Id: T0609500402  
Status: Open - Site Assessment  
Status Date: 01/01/1988

Global Id: T0609500402  
Status: Open - Site Assessment  
Status Date: 04/24/1992

**LUST REG 5:**

Name: LIAL DEVELOPMENT (MF)  
Address: 1205 1ST ST N  
City: DIXON  
Region: 5  
Status: Case Closed  
Case Number: 480159  
Case Type: Soil only  
Substance: GASOLINE  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIAL DEVELOPMENT (MF) (Continued)**

**S104403759**

**HIST CORTESE:**

edr\_fname: LIAL DEVELOPMENT (MF)  
 edr\_fadd1: 1205 1ST  
 City,State,Zip: DIXON, CA 95620  
 Region: CORTESE  
 Facility County Code: 48  
 Reg By: LNTKA  
 Reg Id: 480159

**CERS:**

Name: LIAL DEVELOPMENT (MF)  
 Address: 1205 1ST ST N  
 City,State,Zip: DIXON, CA 95620  
 Site ID: 215285  
 CERS ID: T0609500402  
 CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
 Entity Name: MISTY C. KALTREIDER - SOLANO COUNTY LOP  
 Entity Title: Not reported  
 Affiliation Address: 675 TEXAS STREET, SUITE 5500  
 Affiliation City: FAIRFIELD  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: 7077846765

**L34**  
**South**  
**1/4-1/2**  
**0.491 mi.**  
**2595 ft.**

**BEACON # 3682 (FORMER)**  
**1105 1ST ST N**  
**DIXON, CA 95620**  
**Site 1 of 3 in cluster L**

**LUST** **S104403749**  
**HIST CORTESE** **N/A**  
**CERS**

**Relative:**  
**Lower**  
**Actual:**  
**63 ft.**

**LUST:**  
 Name: BEACON # 3682 (FORMER)  
 Address: 1105 1ST ST N  
 City,State,Zip: DIXON, CA 95620  
 Lead Agency: SOLANO COUNTY LOP  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500339](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500339)  
 Global Id: T0609500339  
 Latitude: 38.4564137864301  
 Longitude: -121.822661161423  
 Status: Completed - Case Closed  
 Status Date: 05/02/2011  
 Case Worker: MCK  
 RB Case Number: 480043  
 Local Agency: SOLANO COUNTY LOP  
 File Location: Local Agency  
 Local Case Number: 60020  
 Potential Media Affect: Aquifer used for drinking water supply  
 Potential Contaminants of Concern: Gasoline  
 Site History: See site documents for historical information.

**LUST:**  
 Global Id: T0609500339

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

Contact Type: Local Agency Caseworker  
Contact Name: MISTY C. KALTREIDER  
Organization Name: SOLANO COUNTY LOP  
Address: 675 TEXAS STREET, SUITE 5500  
City: FAIRFIELD  
Email: mkaltreider@solanocounty.com  
Phone Number: 7077846765

LUST:

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 12/22/2009  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 12/15/2003  
Action: Notice to Comply

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 02/19/2008  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 12/16/2008  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 12/16/2010  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 02/17/2011  
Action: Request for Closure

Global Id: T0609500339  
Action Type: Other  
Date: 10/31/1989  
Action: Leak Stopped

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 12/03/2007  
Action: Notice to Comply

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 01/15/2009  
Action: Staff Letter

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 01/26/2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

Action: Staff Letter

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 04/29/2009  
Action: Staff Letter

Global Id: T0609500339  
Action Type: Other  
Date: 08/03/1988  
Action: Leak Reported

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 06/30/2009  
Action: Staff Letter

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 07/31/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 04/28/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 02/19/2008  
Action: Soil and Water Investigation Workplan

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 08/15/2006  
Action: Well Destruction Report

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 12/12/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 11/07/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 01/18/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 10/06/2004  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 03/16/2004  
Action: Sensitive Receptor Survey Report

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 02/27/2003  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 01/30/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 02/02/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 02/13/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 08/13/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 04/30/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 10/31/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 07/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 08/22/2003  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 05/27/2003  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

Date: 04/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 02/19/2008  
Action: Soil and Water Investigation Workplan

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 10/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 04/26/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 01/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 04/30/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 01/07/2009  
Action: Other Report / Document

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 10/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 01/27/2005  
Action: \* Verbal Communication

Global Id: T0609500339  
Action Type: REMEDIATION  
Date: 11/15/1989  
Action: Excavation

Global Id: T0609500339  
Action Type: REMEDIATION  
Date: 12/14/1990  
Action: Soil Vapor Extraction (SVE)

Global Id: T0609500339  
Action Type: REMEDIATION  
Date: 06/18/2009  
Action: Soil Vapor Extraction (SVE)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

Global Id:	T0609500339
Action Type:	REMEDIATION
Date:	06/08/2008
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	12/07/2009
Action:	Meeting
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	01/14/2010
Action:	Staff Letter
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	03/02/2010
Action:	Staff Letter
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	04/13/2010
Action:	Site Visit / Inspection / Sampling
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	04/04/2011
Action:	Site Visit / Inspection / Sampling
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	12/23/2010
Action:	File Review - Closure
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	05/02/2011
Action:	Closure/No Further Action Letter
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	03/10/2011
Action:	Staff Letter
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	01/12/2011
Action:	Letter - Notice
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	12/16/2010
Action:	Letter - Notice
Global Id:	T0609500339
Action Type:	ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

Date: 03/02/2011  
Action: LOP Case Closure Summary to RB

Global Id: T0609500339  
Action Type: ENFORCEMENT  
Date: 12/10/2010  
Action: Meeting

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 10/20/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 06/01/2009  
Action: Other Workplan

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 01/30/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 07/30/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 01/22/2009  
Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 04/10/2009  
Action: Other Report / Document

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 05/13/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 07/30/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 01/30/2010  
Action: Monitoring Report - Quarterly

Global Id: T0609500339  
Action Type: RESPONSE  
Date: 02/22/2010  
Action: Well Destruction Report



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	06/27/2002
Action:	File review
Global Id:	T0609500339
Action Type:	REMEDIATION
Date:	08/09/2003
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0609500339
Action Type:	RESPONSE
Date:	10/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0609500339
Action Type:	RESPONSE
Date:	01/07/2010
Action:	Well Destruction Workplan
Global Id:	T0609500339
Action Type:	RESPONSE
Date:	04/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500339
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	05/16/2006
Action:	Verbal Communication
Global Id:	T0609500339
Action Type:	REMEDIATION
Date:	02/01/1989
Action:	Free Product Removal
Global Id:	T0609500339
Action Type:	Other
Date:	11/07/1986
Action:	Leak Discovery
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	06/15/2006
Action:	Verbal Communication
Global Id:	T0609500339
Action Type:	ENFORCEMENT
Date:	05/27/2009
Action:	Verbal Enforcement
LUST:	
Global Id:	T0609500339

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

Status: Completed - Case Closed  
Status Date: 05/02/2011

Global Id: T0609500339  
Status: Open - Assessment & Interim Remedial Action  
Status Date: 02/19/2008

Global Id: T0609500339  
Status: Open - Case Begin Date  
Status Date: 10/08/1987

Global Id: T0609500339  
Status: Open - Remediation  
Status Date: 07/02/1991

Global Id: T0609500339  
Status: Open - Remediation  
Status Date: 04/29/2009

Global Id: T0609500339  
Status: Open - Remediation  
Status Date: 11/04/2009

Global Id: T0609500339  
Status: Open - Site Assessment  
Status Date: 03/02/2008

Global Id: T0609500339  
Status: Open - Site Assessment  
Status Date: 01/14/2010

Global Id: T0609500339  
Status: Open - Verification Monitoring  
Status Date: 08/22/1996

Global Id: T0609500339  
Status: Open - Verification Monitoring  
Status Date: 01/14/2010

Global Id: T0609500339  
Status: Open - Verification Monitoring  
Status Date: 07/14/2010

**LUST REG 5:**

Name: BEACON # 3682 (FORMER)  
Address: 1105 1ST ST N  
City: DIXON  
Region: 5  
Status: Post remedial action monitoring  
Case Number: 480043  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: 3

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON # 3682 (FORMER) (Continued)**

**S104403749**

**HIST CORTESE:**

edr\_fname: BEACON SS #682  
edr\_fadd1: 1105 1ST  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LNTKA  
Reg Id: 480043

**CERS:**

Name: BEACON # 3682 (FORMER)  
Address: 1105 1ST ST N  
City,State,Zip: DIXON, CA 95620  
Site ID: 218385  
CERS ID: T0609500339  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: MISTY C. KALTREIDER - SOLANO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 675 TEXAS STREET, SUITE 5500  
Affiliation City: FAIRFIELD  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7077846765

**L35**  
**South**  
**1/4-1/2**  
**0.491 mi.**  
**2595 ft.**

**REGAL STATION 513**  
**1105 N FIRST ST**  
**DIXON, CA 95620**  
**Site 2 of 3 in cluster L**

**LUST S108757069**  
**HIST UST N/A**

**Relative:**  
**Lower**  
**Actual:**  
**63 ft.**

**SOLANO CO. LUST:**  
Name: UNITED PETROLEUM BEACON  
Address: 1105 N FIRST ST  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 60020  
Facility Status: I  
Facility Status Desc: Inactive  
Facility Phone: 707-678-9647  
Program: 29S  
Inventory Number: 1  
Inventory Type: LOP - Closed Site (128)  
Inventory Description: Reference Date - 5/02/11  
Last service/permit exp: ISSUANCE OF A CLOSURE DOCUMENT 03/31/93  
Last service date: 05/03/2011  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported

**HIST UST:**

Name: REGAL STATION 513  
Address: 1105 N FIRST ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REGAL STATION 513 (Continued)**

**S108757069**

City,State,Zip: DIXON, CA 95620  
File Number: 00021439  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021439.pdf>  
Region: Not reported  
Facility ID: Not reported  
Facility Type: Not reported  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: Not reported  
Owner Name: Not reported  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Total Tanks: Not reported  
  
Tank Num: Not reported  
Container Num: Not reported  
Year Installed: Not reported  
Tank Capacity: Not reported  
Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

**L36**  
**South**  
**1/4-1/2**  
**0.491 mi.**  
**2595 ft.**

**REGAL SERVICE STATION # 513**  
**1105 NORTH FIRST**  
**DIXON, CA 94080**  
**Site 3 of 3 in cluster L**

**Notify 65** **S100178711**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**63 ft.**

NOTIFY 65:  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**37**  
**SSW**  
**1/2-1**  
**0.660 mi.**  
**3487 ft.**

**NORTH ELEMENTARY SCHOOL**  
**PEMBROKE WAY/FOUNTAIN WAY/BELL DRIVE**  
**DIXON, CA 95620**

**ENVIROSTOR** **S109548292**  
**SCH** **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**65 ft.**

ENVIROSTOR:  
Name: NORTH ELEMENTARY SCHOOL  
Address: PEMBROKE WAY/FOUNTAIN WAY/BELL DRIVE  
City,State,Zip: DIXON, CA 95620  
Facility ID: 48010001  
Status: No Further Action  
Status Date: 08/11/2000  
Site Code: 104024  
Site Type: School Investigation  
Site Type Detailed: School

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NORTH ELEMENTARY SCHOOL (Continued)**

**S109548292**

Acres: 10  
NPL: NO  
Regulatory Agencies: DTSC  
Lead Agency: DTSC  
Program Manager: Not reported  
Supervisor: Mark Malinowski  
Division Branch: Northern California Schools & Santa Susana  
Assembly: 04  
Senate: 03  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: School District  
Latitude: 38.45455  
Longitude: -121.8282  
APN: NONE SPECIFIED  
Past Use: AGRICULTURAL - ROW CROPS  
Potential COC: Arsenic DDE DDT Toxaphene  
Confirmed COC: NONE SPECIFIED  
Potential Description: SOIL  
Alias Name: DIXON USD  
Alias Type: Alternate Name  
Alias Name: DIXON USD-GILL/WIEGAND SCHOOL SITE/CDE  
Alias Type: Alternate Name  
Alias Name: DIXON USD-GILL/WIEGAND/VCA  
Alias Type: Alternate Name  
Alias Name: GILL/WIEGARD SCHOOL SITE  
Alias Type: Alternate Name  
Alias Name: NORTH ELEMENTARY SCHOOL  
Alias Type: Alternate Name  
Alias Name: 104005  
Alias Type: Project Code (Site Code)  
Alias Name: 104024  
Alias Type: Project Code (Site Code)  
Alias Name: 48010001  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 12/12/1999  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 02/02/2001  
Comments: DTSC sent a CRU to the accounting unit to summarize costs associated with the EOA

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 02/04/2000  
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NORTH ELEMENTARY SCHOOL (Continued)**

**S109548292**

Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 01/12/2000  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 08/11/2000  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 12/20/1999  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Workplan  
Completed Date: 02/17/2000  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**SCH:**

Name: NORTH ELEMENTARY SCHOOL  
Address: PEMBROKE WAY/FOUNTAIN WAY/BELL DRIVE  
City,State,Zip: DIXON, CA 95620  
Facility ID: 48010001  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 10  
National Priorities List: NO  
Cleanup Oversight Agencies: DTSC  
Lead Agency: DTSC  
Lead Agency Description: \* DTSC  
Project Manager: Not reported  
Supervisor: Mark Malinowski  
Division Branch: Northern California Schools & Santa Susana  
Site Code: 104024  
Assembly: 04  
Senate: 03  
Special Program Status: Not reported  
Status: No Further Action  
Status Date: 08/11/2000  
Restricted Use: NO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NORTH ELEMENTARY SCHOOL (Continued)**

**S109548292**

Funding: School District  
Latitude: 38.45455  
Longitude: -121.8282  
APN: NONE SPECIFIED  
Past Use: AGRICULTURAL - ROW CROPS  
Potential COC: Arsenic, Arsenic, DDE, DDT, Toxaphene  
Confirmed COC: NONE SPECIFIED  
Potential Description: SOIL  
Alias Name: DIXON USD  
Alias Type: Alternate Name  
Alias Name: DIXON USD-GILL/WIEGAND SCHOOL SITE/CDE  
Alias Type: Alternate Name  
Alias Name: DIXON USD-GILL/WIEGAND/VCA  
Alias Type: Alternate Name  
Alias Name: GILL/WIEGARD SCHOOL SITE  
Alias Type: Alternate Name  
Alias Name: NORTH ELEMENTARY SCHOOL  
Alias Type: Alternate Name  
Alias Name: 104005  
Alias Type: Project Code (Site Code)  
Alias Name: 104024  
Alias Type: Project Code (Site Code)  
Alias Name: 48010001  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 12/12/1999  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 02/02/2001  
Comments: DTSC sent a CRU to the accounting unit to summarize costs associated with the EOA

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 02/04/2000  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 01/12/2000  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 08/11/2000  
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NORTH ELEMENTARY SCHOOL (Continued)**

**S109548292**

Completed Sub Area Name: Not reported  
 Completed Document Type: Phase 1  
 Completed Date: 12/20/1999  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: \* Workplan  
 Completed Date: 02/17/2000  
 Comments: Not reported

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

**38**  
**NNE**  
**1/2-1**  
**0.833 mi.**  
**4399 ft.**

**IKE'S LANDSCAPING**  
**6647 MILK FARM**  
**DIXON, CA 94080**

**Notify 65** **S100225687**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**68 ft.**

NOTIFY 65:  
 Date Reported: Not reported  
 Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Issue Date: Not reported  
 Incident Description: Not reported

**39**  
**NNE**  
**1/2-1**  
**0.925 mi.**  
**4882 ft.**

**MORGAN'S FRUIT STAND**  
**6646 MILK FARM RD**  
**DIXON, CA 95620**

**LUST** **S100225686**  
**HIST CORTESE** **N/A**  
**Notify 65**

**Relative:**  
**Higher**  
**Actual:**  
**68 ft.**

LUST:  
 Name: MORGAN'S FRUIT STAND  
 Address: 6646 MILK FARM RD  
 City,State,Zip: DIXON, CA 95620  
 Lead Agency: SOLANO COUNTY LOP  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500359](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500359)  
 Global Id: T0609500359  
 Latitude: 38.4808560628852  
 Longitude: -121.814603805542  
 Status: Completed - Case Closed  
 Status Date: 05/06/2014  
 Case Worker: MCK  
 RB Case Number: 480101



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Local Agency: SOLANO COUNTY LOP  
File Location: Local Agency  
Local Case Number: 80114  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: See site documents for historical information. This site is included with the former Texaco (Global ID T0609500360), 6615 Milk Farm Property, Dixon as one claim under the cleanup fund claim # 1391.

**LUST:**

Global Id: T0609500359  
Contact Type: Local Agency Caseworker  
Contact Name: MISTY C. KALTREIDER  
Organization Name: SOLANO COUNTY LOP  
Address: 675 TEXAS STREET, SUITE 5500  
City: FAIRFIELD  
Email: mkaltreider@solanocounty.com  
Phone Number: 7077846765

**LUST:**

Global Id: T0609500359  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Discovery

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 11/30/2010  
Action: Soil and Water Investigation Workplan

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 10/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 12/21/1994  
Action: Correspondence

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 10/22/1993  
Action: Other Report / Document

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 06/20/2011  
Action: Verbal Communication

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 06/28/2011  
Action: Verbal Communication

Global Id: T0609500359  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Date: 03/31/1998  
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 03/16/1994  
Action: Correspondence

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 11/13/1990  
Action: Tank Removal Report / UST Sampling Report

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 06/20/1990  
Action: Correspondence

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 03/12/1990  
Action: Other Report / Document

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 07/23/1992  
Action: Correspondence

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 02/17/2012  
Action: Monitoring Report - Other

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 11/29/1989  
Action: Other Report / Document

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 03/02/2004  
Action: 13267 Monitoring Program

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 10/20/2004  
Action: \* Historical Enforcement

Global Id: T0609500359  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Stopped

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 02/17/2012  
Action: Monitoring Report - Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Global Id:	T0609500359
Action Type:	RESPONSE
Date:	02/27/1992
Action:	Correspondence
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	01/27/1997
Action:	Correspondence
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	03/09/2007
Action:	Verbal Communication
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	10/28/2010
Action:	Staff Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	07/12/2004
Action:	File review
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	11/01/2012
Action:	Site Assessment Report
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	05/19/2009
Action:	Notice of Reimbursement
Global Id:	T0609500359
Action Type:	Other
Date:	08/10/1989
Action:	Leak Reported
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	06/30/2009
Action:	Staff Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	01/25/2010
Action:	Staff Letter
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	08/30/2008
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500359
Action Type:	ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Date: 09/30/2004  
Action: File review

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 11/30/2009  
Action: Notice of Responsibility

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 02/20/2013  
Action: LOP Case Closure Summary to RB

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 12/02/2010  
Action: Staff Letter

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 11/05/2013  
Action: Warning Letter

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 06/17/2011  
Action: Warning Letter

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 10/05/2010  
Action: Verbal Enforcement

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 06/21/2011  
Action: Meeting

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 04/18/2012  
Action: Warning Letter

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 08/17/2012  
Action: Notice to Comply

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 03/05/2013  
Action: Staff Letter

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 09/26/2012  
Action: Notice to Comply

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	09/13/2013
Action:	Verbal Enforcement
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	06/05/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	03/03/2005
Action:	File review
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	01/30/2014
Action:	Warning Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	02/28/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	04/08/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	01/20/2010
Action:	Correspondence
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	05/06/2014
Action:	Closure/No Further Action Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	09/30/2002
Action:	File review
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	12/20/2002
Action:	File review
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	02/13/1997
Action:	Correspondence
Global Id:	T0609500359
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Date: 03/16/1995  
Action: Other Report / Document

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 10/05/2000  
Action: Monitoring Report - Other

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 03/19/1991  
Action: Other Report / Document

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 10/05/1989  
Action: Correspondence

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 10/15/2007  
Action: Meeting

**LUST:**

Global Id: T0609500359  
Status: Completed - Case Closed  
Status Date: 05/06/2014

Global Id: T0609500359  
Status: Open - Case Begin Date  
Status Date: 05/23/1989

Global Id: T0609500359  
Status: Open - Eligible for Closure  
Status Date: 02/05/2013

Global Id: T0609500359  
Status: Open - Remediation  
Status Date: 08/26/2004

Global Id: T0609500359  
Status: Open - Site Assessment  
Status Date: 05/17/1991

Global Id: T0609500359  
Status: Open - Site Assessment  
Status Date: 06/07/1994

Global Id: T0609500359  
Status: Open - Verification Monitoring  
Status Date: 12/06/2007

**SOLANO CO. LUST:**

Name: MORGAN'S FRUIT STAND  
Address: 6646 MILK FARM RD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 80114  
Facility Status: I  
Facility Status Desc: Inactive  
Facility Phone: Not reported  
Program: 29S  
Inventory Number: 1  
Inventory Type: LOP - Closed Site (128)  
Inventory Description: Ref date = 5/16/2014  
Last service/permit exp: ISSUANCE OF A CLOSURE DOCUMENT \* Missing \*  
Last service date: 05/05/2014  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported

**HIST CORTESE:**

edr\_fname: MORGAN'S FRUIT STAND  
edr\_fadd1: 6646 MILK FARM  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LTNKA  
Reg Id: 480101

**NOTIFY 65:**

Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**M40**  
**NNE**  
**1/2-1**  
**0.940 mi.**  
**4961 ft.**

**TEXACO STATION**  
**6615 MILK FARM**  
**DIXON, CA 94080**  
**Site 1 of 2 in cluster M**

**LUST** **S100179213**  
**SWEEPS UST** **N/A**  
**HIST CORTESE**  
**Notify 65**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**68 ft.**

**LUST:**

Name: FORMER TEXACO  
Address: 6615 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Lead Agency: SOLANO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500360](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500360)  
Global Id: T0609500360  
Latitude: 38.4757788664802  
Longitude: -121.821813583374  
Status: Completed - Case Closed  
Status Date: 05/06/2014  
Case Worker: MCK  
RB Case Number: 480102  
Local Agency: SOLANO COUNTY LOP  
File Location: Local Agency  
Local Case Number: 80060

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION (Continued)**

**S100179213**

Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Diesel, Gasoline  
Site History: See site documents for historical information. The SWRCB Cleanup Fund includes this site and the site located at 6646 Milk Farm Road as one case.

LUST:

Global Id: T0609500360  
Contact Type: Local Agency Caseworker  
Contact Name: MISTY C. KALTREIDER  
Organization Name: SOLANO COUNTY LOP  
Address: 675 TEXAS STREET, SUITE 5500  
City: FAIRFIELD  
Email: mkaltreider@solanocounty.com  
Phone Number: 7077846765

LUST:

Global Id: T0609500360  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Discovery

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 11/30/2010  
Action: Soil and Water Investigation Workplan

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 10/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/02/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/31/1998  
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 11/13/1990  
Action: Preliminary Site Assessment Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 09/20/2000  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 07/13/1989  
Action: Tank Removal Report / UST Sampling Report



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION (Continued)**

**S100179213**

Global Id:	T0609500360
Action Type:	RESPONSE
Date:	05/11/2000
Action:	Correspondence
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	08/03/2010
Action:	Monitoring Report - Other
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	05/02/2014
Action:	Site Assessment Report
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	11/13/1990
Action:	Preliminary Site Assessment Report
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	03/09/2007
Action:	Verbal Communication
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	06/28/2011
Action:	Verbal Communication
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	06/20/2011
Action:	Verbal Communication
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	04/30/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	05/08/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	03/16/1995
Action:	Other Report / Document
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	08/29/1997
Action:	Well Installation Report
Global Id:	T0609500360
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TEXACO STATION (Continued)

S100179213

Date: 01/06/1995  
Action: Other Report / Document

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 04/14/1998  
Action: Correspondence

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/12/1990  
Action: Correspondence

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 11/29/1989  
Action: Correspondence

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 10/20/2004  
Action: Other Report / Document

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 10/20/2004  
Action: \* Historical Enforcement

Global Id: T0609500360  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Stopped

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 12/29/2011  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/12/2012  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 01/27/2000  
Action: Correspondence

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 07/20/1998  
Action: Correspondence

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 06/20/1990  
Action: Interim Remedial Action Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TEXACO STATION (Continued)

S100179213

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/16/1994  
Action: Correspondence

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 07/23/1992  
Action: Other Report / Document

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 02/17/2012  
Action: Monitoring Report - Quarterly

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 12/20/2002  
Action: File review

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 09/30/2004  
Action: File review

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 03/02/2004  
Action: 13267 Monitoring Program

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 12/14/2010  
Action: Staff Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 03/03/2005  
Action: File review

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 07/12/2004  
Action: File review

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 11/01/2012  
Action: Site Assessment Report

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 05/19/2009  
Action: Notice of Reimbursement

Global Id: T0609500360  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION (Continued)**

**S100179213**

Date: 05/19/2009  
Action: Staff Letter

Global Id: T0609500360  
Action Type: Other  
Date: 08/10/1989  
Action: Leak Reported

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 06/30/2009  
Action: Staff Letter

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 01/20/2010  
Action: Correspondence

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 11/30/2009  
Action: Notice of Responsibility

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 01/25/2010  
Action: Staff Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 06/21/2011  
Action: Meeting

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 12/02/2010  
Action: Staff Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 06/17/2011  
Action: Warning Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 10/05/2010  
Action: Verbal Enforcement

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 04/18/2012  
Action: Warning Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 02/20/2013  
Action: LOP Case Closure Summary to RB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION (Continued)**

**S100179213**

Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	03/05/2013
Action:	Staff Letter
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	09/26/2012
Action:	Notice to Comply
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	08/17/2012
Action:	Notice to Comply
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	11/05/2013
Action:	Warning Letter
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	09/13/2013
Action:	Verbal Enforcement
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	05/06/2014
Action:	Closure/No Further Action Letter
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	08/30/2008
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	01/30/2014
Action:	Verbal Enforcement
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	02/28/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	04/08/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	06/05/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609500360
Action Type:	ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TEXACO STATION (Continued)

S100179213

Date: 09/30/2002  
Action: File review

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 06/17/2011  
Action: Other Report / Document

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 12/23/1997  
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/19/1991  
Action: Preliminary Site Assessment Report

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 10/28/2010  
Action: Staff Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 10/15/2007  
Action: Meeting

LUST:

Global Id: T0609500360  
Status: Completed - Case Closed  
Status Date: 05/06/2014

Global Id: T0609500360  
Status: Completed - Case Closed  
Status Date: 05/06/2014

Global Id: T0609500360  
Status: Open - Case Begin Date  
Status Date: 05/23/1989

Global Id: T0609500360  
Status: Open - Eligible for Closure  
Status Date: 03/01/2013

Global Id: T0609500360  
Status: Open - Eligible for Closure  
Status Date: 05/06/2014

Global Id: T0609500360  
Status: Open - Remediation  
Status Date: 08/31/2004

Global Id: T0609500360  
Status: Open - Site Assessment  
Status Date: 01/08/1991

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION (Continued)**

**S100179213**

Global Id: T0609500360  
Status: Open - Site Assessment  
Status Date: 06/07/1994  
  
Global Id: T0609500360  
Status: Open - Verification Monitoring  
Status Date: 12/06/2007

**LUST REG 5:**

Name: FORMER TEXACO  
Address: 6615 MILK FARM RD  
City: DIXON  
Region: 5  
Status: Post remedial action monitoring  
Case Number: 480102  
Case Type: Drinking Water Aquifer affected  
Substance: DIESEL  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: 1

**SOLANO CO. LUST:**

Name: TEXACO STATION  
Address: 6615 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 80060  
Facility Status: I  
Facility Status Desc: Inactive  
Facility Phone: Not reported  
Program: 29S  
Inventory Number: 1  
Inventory Type: LOP - Closed Site (128)  
Inventory Description: Ref Date = 5/6/2014  
Last service/permit exp: ISSUANCE OF A CLOSURE DOCUMENT \* Missing \*  
Last service date: 05/05/2014  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported

**SWEEPS UST:**

Name: TEXACO STATION/MILK FARM  
Address: 6615 MILK FARM RD  
City: DIXON  
Status: Not reported  
Comp Number: 80060  
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: Not reported  
Tank Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION (Continued)**

**S100179213**

Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**HIST CORTESE:**

edr\_fname: FORMER TEXACO  
edr\_fadd1: 6615 MILK FARM  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LTNKA  
Reg Id: 480102

**NOTIFY 65:**

Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**CERS:**

Name: FORMER TEXACO  
Address: 6615 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 233113  
CERS ID: T0609500360  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: MISTY C. KALTREIDER - SOLANO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 675 TEXAS STREET, SUITE 5500  
Affiliation City: FAIRFIELD  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7077846765

---

**M41 ABANDONED EXXON STATION**  
**NNE 6618 MILK FARM**  
**1/2-1 DIXON, CA 94080**  
**0.948 mi.**  
**5008 ft. Site 2 of 2 in cluster M**

**LUST S100179210**  
**SWEEPS UST N/A**  
**HIST CORTESE**  
**Notify 65**  
**CERS**

**Relative:  
Higher**

**LUST:**

Name: FORMER EXXON  
Address: 6618 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Lead Agency: SOLANO COUNTY LOP  
Case Type: LUST Cleanup Site

**Actual:  
68 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ABANDONED EXXON STATION (Continued)**

**S100179210**

Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500358](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500358)  
Global Id: T0609500358  
Latitude: 38.47564  
Longitude: -121.821126  
Status: Completed - Case Closed  
Status Date: 05/08/2000  
Case Worker: MCK  
RB Case Number: 480100  
Local Agency: SOLANO COUNTY LOP  
File Location: Not reported  
Local Case Number: 80010  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**

Global Id: T0609500358  
Contact Type: Local Agency Caseworker  
Contact Name: MISTY C. KALTREIDER  
Organization Name: SOLANO COUNTY LOP  
Address: 675 TEXAS STREET, SUITE 5500  
City: FAIRFIELD  
Email: mkaltreider@solanocounty.com  
Phone Number: 7077846765

**LUST:**

Global Id: T0609500358  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Discovery

Global Id: T0609500358  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Stopped

Global Id: T0609500358  
Action Type: Other  
Date: 08/10/1989  
Action: Leak Reported

Global Id: T0609500358  
Action Type: ENFORCEMENT  
Date: 04/10/2001  
Action: Closure/No Further Action Letter

**LUST:**

Global Id: T0609500358  
Status: Completed - Case Closed  
Status Date: 05/08/2000

Global Id: T0609500358  
Status: Open - Case Begin Date  
Status Date: 05/23/1989

Global Id: T0609500358  
Status: Open - Site Assessment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ABANDONED EXXON STATION (Continued)**

**S100179210**

Status Date: 01/08/1991  
Global Id: T0609500358  
Status: Open - Site Assessment  
Status Date: 06/07/1994

**LUST REG 5:**

Name: FORMER EXXON  
Address: 6618 MILK FARM RD  
City: DIXON  
Region: 5  
Status: Case Closed  
Case Number: 480100  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: 3

**SOLANO CO. LUST:**

Name: EXXON STATION (MILK FARM)  
Address: 6618 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 80010  
Facility Status: I  
Facility Status Desc: Inactive  
Facility Phone: Not reported  
Program: 29S  
Inventory Number: 1  
Inventory Type: LOP - Closed Site (128)  
Inventory Description: Not reported  
Last service/permit exp: SITE VISITS  
Last service date: 02/14/2013  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported

**SWEEPS UST:**

Name: EXXON USA (MILK FARM)  
Address: 6618 MILK FARM RD  
City: DIXON  
Status: Not reported  
Comp Number: 80010  
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: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ABANDONED EXXON STATION (Continued)**

**S100179210**

Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**HIST CORTESE:**

edr\_fname: FORMER EXXON  
edr\_fadd1: 6618 MILK FARM  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LTNKA  
Reg Id: 480100

**NOTIFY 65:**

Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**CERS:**

Name: FORMER EXXON  
Address: 6618 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 221249  
CERS ID: T0609500358  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: MISTY C. KALTREIDER - SOLANO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 675 TEXAS STREET, SUITE 5500  
Affiliation City: FAIRFIELD  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7077846765

42  
South  
1/2-1  
0.965 mi.  
5097 ft.

**TY'S ELECTRIC, INC.  
440 NORTH FIRST STREET  
DIXON, CA 94080**

**Notify 65 U000070847  
N/A**

**Relative:  
Lower  
Actual:  
63 ft.**

**NOTIFY 65:**  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
DIXON	S106707875	SANDERS PROPERTY**	630 LINCOLN ST, S		CPS-SLIC

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Federal NPL site list***

#### **NPL: National Priority List**

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

Date of Government Version: 04/11/2019	Source: EPA
Date Data Arrived at EDR: 04/18/2019	Telephone: N/A
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 06/06/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

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

Date of Government Version: 04/11/2019	Source: EPA
Date Data Arrived at EDR: 04/18/2019	Telephone: N/A
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 06/06/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 04/11/2019  
Date Data Arrived at EDR: 04/18/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 26

Source: EPA  
Telephone: N/A  
Last EDR Contact: 06/06/2019  
Next Scheduled EDR Contact: 07/15/2019  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

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

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

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 04/05/2019  
Next Scheduled EDR Contact: 07/15/2019  
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 known 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: 04/11/2019  
Date Data Arrived at EDR: 04/18/2019  
Date Made Active in Reports: 05/23/2019  
Number of Days to Update: 35

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 06/06/2019  
Next Scheduled EDR Contact: 07/29/2019  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/11/2019	Source: EPA
Date Data Arrived at EDR: 04/18/2019	Telephone: 800-424-9346
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 06/06/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019	Source: EPA
Date Data Arrived at EDR: 03/27/2019	Telephone: 800-424-9346
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

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

Date of Government Version: 02/22/2019	Source: Department of the Navy
Date Data Arrived at EDR: 03/07/2019	Telephone: 843-820-7326
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 05/10/2019
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/26/2019
	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: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 05/29/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 05/29/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

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

Date of Government Version: 03/25/2019

Date Data Arrived at EDR: 03/26/2019

Date Made Active in Reports: 05/01/2019

Number of Days to Update: 36

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent NPL***

RESPONSE: State Response Sites

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

Date of Government Version: 04/29/2019

Date Data Arrived at EDR: 04/30/2019

Date Made Active in Reports: 06/27/2019

Number of Days to Update: 58

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/30/2019

Next Scheduled EDR Contact: 08/12/2019

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies 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: 04/29/2019

Date Data Arrived at EDR: 04/30/2019

Date Made Active in Reports: 06/27/2019

Number of Days to Update: 58

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/30/2019

Next Scheduled EDR Contact: 08/12/2019

Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 02/11/2019

Date Data Arrived at EDR: 02/12/2019

Date Made Active in Reports: 03/05/2019

Number of Days to Update: 21

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/14/2019

Next Scheduled EDR Contact: 08/26/2019

Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	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	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	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	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-7369
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	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, Calaveras, 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	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	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	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

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

## LUST REG 9: Leaking Underground Storage Tank Report

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

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	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: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: see region list
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

## 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: 10/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/08/2019	Telephone: 415-972-3372
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/24/2018  
Date Data Arrived at EDR: 03/12/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 50

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 04/26/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 10/17/2018  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 55

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 04/26/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 11/01/2018  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 55

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 04/26/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 02/19/2019  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 55

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 04/26/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 10/16/2018  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 55

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 04/26/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 10/12/2018  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 55

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 04/26/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 10/13/2018  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 55

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 04/26/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

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

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	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	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	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	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

## SLIC REG 6L: SLIC Sites

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

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

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

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

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: No Update Planned

## **State and tribal registered storage tank lists**

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017  
Date Data Arrived at EDR: 05/30/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 136

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 04/25/2019  
Next Scheduled EDR Contact: 07/22/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 03/11/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/13/2019	Telephone: 916-327-7844
Date Made Active in Reports: 04/03/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018	Source: SWRCB
Date Data Arrived at EDR: 12/11/2018	Telephone: 916-341-5851
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Semi-Annually

## MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 06/17/2019
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/30/2019
	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: 10/03/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 03/07/2019	Telephone: 617-918-1313
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	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: 09/24/2018	Source: EPA Region 4
Date Data Arrived at EDR: 03/12/2019	Telephone: 404-562-9424
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 10/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-6136
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	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: 11/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 03/07/2019	Telephone: 214-665-7591
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	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: 11/07/2018	Source: EPA Region 7
Date Data Arrived at EDR: 03/07/2019	Telephone: 913-551-7003
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	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: 10/16/2018	Source: EPA Region 8
Date Data Arrived at EDR: 03/07/2019	Telephone: 303-312-6137
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

### INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 03/08/2019	Telephone: 415-972-3368
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/05/2019
	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: 10/17/2018	Source: EPA Region 10
Date Data Arrived at EDR: 03/07/2019	Telephone: 206-553-2857
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

### ***State and tribal voluntary cleanup sites***



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/20/2019
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Varies

## VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 04/29/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/30/2019	Telephone: 916-323-3400
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/30/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 08/12/2019
	Data Release Frequency: Quarterly

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## ***State and tribal Brownfields sites***

### BROWNFIELDS: Considered Brownfields 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: 03/25/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/26/2019	Telephone: 916-323-7905
Date Made Active in Reports: 04/29/2019	Last EDR Contact: 06/25/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 12/17/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2018	Telephone: 202-566-2777
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 06/04/2019
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/30/2019
	Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 04/25/2019
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/12/2019
	Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/11/2019	Source: Department of Conservation
Date Data Arrived at EDR: 03/13/2019	Telephone: 916-323-3836
Date Made Active in Reports: 04/30/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 48	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 03/27/2019	Telephone: 916-341-6422
Date Made Active in Reports: 04/30/2019	Last EDR Contact: 05/09/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/26/2019
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 04/26/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/12/2019
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/22/2019
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/23/2019
Number of Days to Update: 176	Next Scheduled EDR Contact: 08/12/2019
	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: 02/24/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/26/2019	Telephone: 202-307-1000
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 05/24/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/09/2019
	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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	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: 04/29/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/30/2019	Telephone: 916-323-3400
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/30/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 08/12/2019
	Data Release Frequency: Quarterly

### CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/12/2018	Telephone: 916-255-6504
Date Made Active in Reports: 08/06/2018	Last EDR Contact: 05/02/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Varies

### TOXIC PITS: Toxic Pits Cleanup Act Sites

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

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 04/09/2019	Source: CalEPA
Date Data Arrived at EDR: 04/11/2019	Telephone: 916-323-2514
Date Made Active in Reports: 05/08/2019	Last EDR Contact: 04/11/2019
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/05/2019
	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: 02/24/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/26/2019	Telephone: 202-307-1000
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 05/24/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Quarterly

## PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 02/21/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/22/2019	Telephone: 866-480-1028
Date Made Active in Reports: 04/15/2019	Last EDR Contact: 06/19/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## **Local Lists of Registered Storage Tanks**

### SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2018	Telephone: 707-463-4466
Date Made Active in Reports: 12/14/2018	Last EDR Contact: 05/24/2019
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Annually

### HIST UST: Hazardous Substance Storage Container Database

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 09/11/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/11/2018  
Number of Days to Update: 29

Source: San Francisco County Department of Public Health  
Telephone: 415-252-3896  
Last EDR Contact: 05/02/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 04/09/2019  
Date Data Arrived at EDR: 04/11/2019  
Date Made Active in Reports: 05/08/2019  
Number of Days to Update: 27

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 04/11/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 02/28/2019  
Date Data Arrived at EDR: 03/01/2019  
Date Made Active in Reports: 04/02/2019  
Number of Days to Update: 32

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/11/2019  
Date Data Arrived at EDR: 04/18/2019  
Date Made Active in Reports: 05/23/2019  
Number of Days to Update: 35

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 06/06/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/04/2019	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/05/2019	Telephone: 916-323-3400
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 06/04/2019
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Semi-Annually

### **Records of Emergency Release Reports**

#### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/25/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/26/2019	Telephone: 202-366-4555
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

#### CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 10/24/2018	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/24/2019	Telephone: 916-845-8400
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 06/24/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/05/2019
	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: 12/10/2018	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

#### MCS: Military Cleanup Sites Listing (GEOTRACKER)

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

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

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

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 03/07/2019	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 04/03/2019	Telephone: 202-528-4285
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 05/21/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/02/2019
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/12/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/12/2019
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/13/2019  
Next Scheduled EDR Contact: 08/26/2019  
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: 03/25/2019  
Date Data Arrived at EDR: 03/26/2019  
Date Made Active in Reports: 05/07/2019  
Number of Days to Update: 42

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 06/26/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 05/06/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 05/10/2019  
Next Scheduled EDR Contact: 08/19/2019  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

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

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

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 06/18/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

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



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 01/10/2018  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 2

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 05/24/2019  
Next Scheduled EDR Contact: 09/02/2019  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/24/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 04/11/2019  
Date Data Arrived at EDR: 04/18/2019  
Date Made Active in Reports: 05/23/2019  
Number of Days to Update: 35

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 06/06/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Annually

## RMP: Risk Management Plans

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

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

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/11/2019	Source: EPA
Date Data Arrived at EDR: 04/18/2019	Telephone: 202-564-6023
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 06/06/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/19/2019
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

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

Date of Government Version: 03/20/2019	Source: EPA
Date Data Arrived at EDR: 04/10/2019	Telephone: 202-566-0500
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 04/10/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/08/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Quarterly

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 04/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/07/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 04/26/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/05/2019
	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: 04/02/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/02/2019	Telephone: 202-343-9775
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 04/02/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018  
Date Data Arrived at EDR: 01/29/2019  
Date Made Active in Reports: 03/21/2019  
Number of Days to Update: 51

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 04/30/2019  
Next Scheduled EDR Contact: 08/12/2019  
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: 03/31/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 05/23/2019  
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 04/05/2019  
Next Scheduled EDR Contact: 07/22/2019  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

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

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

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 06/26/2019  
Next Scheduled EDR Contact: 10/07/2019  
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: 04/11/2019  
Next Scheduled EDR Contact: 07/22/2019  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

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

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

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 05/02/2019  
Next Scheduled EDR Contact: 08/19/2019  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017  
Date Data Arrived at EDR: 10/11/2017  
Date Made Active in Reports: 11/03/2017  
Number of Days to Update: 23

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 05/24/2019  
Next Scheduled EDR Contact: 09/02/2019  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/11/2019  
Date Data Arrived at EDR: 04/18/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 26

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 06/06/2019  
Next Scheduled EDR Contact: 07/15/2019  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 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: 11/27/2018  
Date Data Arrived at EDR: 02/27/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 33

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 05/29/2019  
Next Scheduled EDR Contact: 09/09/2019  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/31/2019  
Next Scheduled EDR Contact: 09/09/2019  
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: 05/31/2019  
Next Scheduled EDR Contact: 09/09/2019  
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: 03/27/2019  
Date Data Arrived at EDR: 03/28/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 34

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 06/19/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/15/2019  
Date Data Arrived at EDR: 03/05/2019  
Date Made Active in Reports: 03/15/2019  
Number of Days to Update: 10

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 06/05/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Quarterly

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 01/17/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 74

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 04/15/2019  
Next Scheduled EDR Contact: 07/29/2019  
Data Release Frequency: Varies

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 07/26/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 71

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 05/24/2019  
Next Scheduled EDR Contact: 09/09/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/07/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/09/2019	Telephone: 202-564-2280
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 04/09/2019
Number of Days to Update: 44	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 02/19/2019	Source: EPA
Date Data Arrived at EDR: 02/21/2019	Telephone: 800-385-6164
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 05/21/2019
Number of Days to Update: 39	Next Scheduled EDR Contact: 09/02/2019
	Data Release Frequency: Quarterly

## CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	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: 03/25/2019	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/26/2019	Telephone: 916-323-3400
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 06/25/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 04/18/2019	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 04/19/2019	Telephone: 415-252-3896
Date Made Active in Reports: 04/30/2019	Last EDR Contact: 04/18/2019
Number of Days to Update: 11	Next Scheduled EDR Contact: 08/19/2019
	Data Release Frequency: Varies

## CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 01/23/2019	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 02/26/2019	Telephone: 925-454-2361
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 05/14/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/26/2019
	Data Release Frequency: Varies

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/19/2019  
Date Data Arrived at EDR: 03/22/2019  
Date Made Active in Reports: 04/09/2019  
Number of Days to Update: 18

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 05/23/2019  
Next Scheduled EDR Contact: 09/09/2019  
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: 03/01/2019  
Date Data Arrived at EDR: 04/25/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 35

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Annually

## DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

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

Date of Government Version: 02/27/2019  
Date Data Arrived at EDR: 02/28/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 32

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Varies

## EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/20/2018  
Date Made Active in Reports: 08/06/2018  
Number of Days to Update: 47

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 06/24/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Varies

## ENF: Enforcement Action Listing

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

Date of Government Version: 11/01/2018  
Date Data Arrived at EDR: 11/02/2018  
Date Made Active in Reports: 12/13/2018  
Number of Days to Update: 41

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 05/14/2019  
Next Scheduled EDR Contact: 08/26/2019  
Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/22/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 64

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information Listing

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



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/15/2019  
Date Data Arrived at EDR: 02/19/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 14

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 05/09/2019  
Next Scheduled EDR Contact: 08/26/2019  
Data Release Frequency: Varies

## HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 04/09/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 50

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 07/22/2019  
Data Release Frequency: Annually

## ICE: ICE

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

Date of Government Version: 02/19/2019  
Date Data Arrived at EDR: 02/20/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 13

Source: Department of Toxic Substances Control  
Telephone: 877-786-9427  
Last EDR Contact: 05/21/2019  
Next Scheduled EDR Contact: 09/02/2019  
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: 02/19/2019  
Date Data Arrived at EDR: 02/20/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 13

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/21/2019  
Next Scheduled EDR Contact: 09/02/2019  
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: 04/08/2019  
Date Data Arrived at EDR: 04/09/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 51

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 04/09/2019  
Next Scheduled EDR Contact: 07/22/2019  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-322-1080
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

## MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 02/20/2019	Source: Department of Public Health
Date Data Arrived at EDR: 03/05/2019	Telephone: 916-558-1784
Date Made Active in Reports: 04/02/2019	Last EDR Contact: 06/04/2019
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/11/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/12/2019	Telephone: 916-445-9379
Date Made Active in Reports: 03/07/2019	Last EDR Contact: 05/14/2019
Number of Days to Update: 23	Next Scheduled EDR Contact: 08/26/2019
	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: 03/04/2019	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 03/05/2019	Telephone: 916-445-4038
Date Made Active in Reports: 04/05/2019	Last EDR Contact: 06/04/2019
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/11/2019	Source: Department of Conservation
Date Data Arrived at EDR: 03/13/2019	Telephone: 916-323-3836
Date Made Active in Reports: 04/29/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

## NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/18/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/19/2019	Telephone: 916-445-3846
Date Made Active in Reports: 04/29/2019	Last EDR Contact: 06/17/2019
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/30/2019
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018	Source: Department of Conservation
Date Data Arrived at EDR: 06/13/2018	Telephone: 916-445-2408
Date Made Active in Reports: 07/17/2018	Last EDR Contact: 06/11/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 12/10/2018	Source: State Water Resource Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 07/11/2018	Telephone: 559-445-5577
Date Made Active in Reports: 09/13/2018	Last EDR Contact: 04/12/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/16/2019
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/02/2019
	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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 06/19/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER)

Projects sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/10/2018  
Date Data Arrived at EDR: 12/11/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/11/2019  
Date Data Arrived at EDR: 03/13/2019  
Date Made Active in Reports: 04/29/2019  
Number of Days to Update: 47

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 06/12/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Quarterly

## CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/05/2019  
Date Data Arrived at EDR: 03/05/2019  
Date Made Active in Reports: 04/02/2019  
Number of Days to Update: 28

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 06/04/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Varies

## CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/09/2019  
Date Data Arrived at EDR: 04/11/2019  
Date Made Active in Reports: 05/08/2019  
Number of Days to Update: 27

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 04/11/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018  
Date Data Arrived at EDR: 12/11/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018  
Date Data Arrived at EDR: 12/11/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/10/2018  
Date Data Arrived at EDR: 12/11/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/10/2018  
Date Data Arrived at EDR: 12/11/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/10/2018  
Date Data Arrived at EDR: 12/11/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	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	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/11/2019	Telephone: 510-567-6700
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 04/22/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2019	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 04/11/2019	Telephone: 510-567-6700
Date Made Active in Reports: 06/20/2019	Last EDR Contact: 04/08/2019
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/24/2047
	Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 01/07/2019  
Date Data Arrived at EDR: 01/08/2019  
Date Made Active in Reports: 03/07/2019  
Number of Days to Update: 58

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 06/17/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Varies

## BUTTE COUNTY:

### CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 04/08/2019  
Next Scheduled EDR Contact: 07/22/2019  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 05/02/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 27

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 06/24/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 02/27/2019  
Date Data Arrived at EDR: 02/28/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 32

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 05/16/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 02/14/2019  
Date Data Arrived at EDR: 02/19/2019  
Date Made Active in Reports: 03/08/2019  
Number of Days to Update: 17

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 04/29/2019  
Next Scheduled EDR Contact: 08/12/2019  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 02/20/2019  
Date Data Arrived at EDR: 05/01/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 29

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 04/25/2019  
Next Scheduled EDR Contact: 08/12/2019  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 02/27/2019  
Date Data Arrived at EDR: 02/28/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 32

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 04/29/2019  
Next Scheduled EDR Contact: 08/12/2019  
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: 04/10/2019  
Date Data Arrived at EDR: 04/11/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 19

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 06/26/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## HUMBOLDT COUNTY:

### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 12/11/2018  
Date Data Arrived at EDR: 12/13/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 33

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 05/20/2019  
Next Scheduled EDR Contact: 09/02/2019  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 04/24/2019  
Date Data Arrived at EDR: 04/25/2019  
Date Made Active in Reports: 06/27/2019  
Number of Days to Update: 63

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 06/14/2018  
Number of Days to Update: 29

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 05/16/2019  
Next Scheduled EDR Contact: 09/02/2019  
Data Release Frequency: Varies

## KERN COUNTY:

### UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 01/28/2019  
Date Data Arrived at EDR: 02/07/2019  
Date Made Active in Reports: 03/08/2019  
Number of Days to Update: 29

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 05/02/2019  
Next Scheduled EDR Contact: 08/19/2019  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/16/2019  
Date Data Arrived at EDR: 05/17/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 13

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 05/16/2019  
Next Scheduled EDR Contact: 09/02/2019  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 02/08/2019  
Date Data Arrived at EDR: 02/12/2019  
Date Made Active in Reports: 03/12/2019  
Number of Days to Update: 28

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 04/15/2019  
Next Scheduled EDR Contact: 07/29/2019  
Data Release Frequency: Varies

## LASSEN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/17/2019  
Date Data Arrived at EDR: 01/18/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 46

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
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: 06/17/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: No Update Planned

### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/19/2018  
Date Data Arrived at EDR: 01/10/2019  
Date Made Active in Reports: 03/07/2019  
Number of Days to Update: 56

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 05/02/2019  
Next Scheduled EDR Contact: 07/22/2019  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/15/2019  
Date Data Arrived at EDR: 04/16/2019  
Date Made Active in Reports: 06/21/2019  
Number of Days to Update: 66

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 04/16/2019  
Next Scheduled EDR Contact: 07/29/2019  
Data Release Frequency: Varies

### LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 01/15/2019  
Date Made Active in Reports: 03/07/2019  
Number of Days to Update: 51

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 04/15/2019  
Next Scheduled EDR Contact: 07/29/2019  
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: 01/01/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 54

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 06/25/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 04/17/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/29/2019
	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: 01/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 04/05/2019	Telephone: 213-978-3800
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 06/25/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 10/07/2019
	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: 01/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 04/05/2019	Telephone: 213-978-3800
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 06/25/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Varies

## SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 04/08/2019	Source: Community Health Services
Date Data Arrived at EDR: 04/16/2019	Telephone: 323-890-7806
Date Made Active in Reports: 06/21/2019	Last EDR Contact: 04/16/2019
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Annually

## UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 04/15/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Semi-Annually

## UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/22/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/04/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 310-618-2973
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/22/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/20/2019	Source: Madera County Environmental Health
Date Data Arrived at EDR: 02/22/2019	Telephone: 559-675-7823
Date Made Active in Reports: 03/07/2019	Last EDR Contact: 05/16/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 09/02/2019
	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	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 06/26/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 03/11/2019	Source: Merced County Environmental Health
Date Data Arrived at EDR: 03/19/2019	Telephone: 209-381-1094
Date Made Active in Reports: 05/08/2019	Last EDR Contact: 05/16/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/02/2019
	Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List  
CUPA Facility List

Date of Government Version: 02/21/2019	Source: Mono County Health Department
Date Data Arrived at EDR: 02/26/2019	Telephone: 760-932-5580
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 05/23/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019  
Date Data Arrived at EDR: 02/07/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 26

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 04/01/2019  
Next Scheduled EDR Contact: 07/15/2019  
Data Release Frequency: Varies

## NAPA COUNTY:

### LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/24/2019  
Next Scheduled EDR Contact: 09/09/2019  
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: 02/21/2019  
Date Data Arrived at EDR: 02/22/2019  
Date Made Active in Reports: 03/08/2019  
Number of Days to Update: 14

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/24/2019  
Next Scheduled EDR Contact: 09/09/2019  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 05/20/2019  
Date Data Arrived at EDR: 05/21/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 9

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 05/13/2019  
Next Scheduled EDR Contact: 08/12/2019  
Data Release Frequency: Varies

## ORANGE COUNTY:

### IND\_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 05/09/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 21

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/06/2019  
Next Scheduled EDR Contact: 08/19/2019  
Data Release Frequency: Annually

### LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 05/09/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 21

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/06/2019  
Next Scheduled EDR Contact: 08/19/2019  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2019  
Date Data Arrived at EDR: 02/05/2019  
Date Made Active in Reports: 03/08/2019  
Number of Days to Update: 31

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/07/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 02/28/2019  
Date Data Arrived at EDR: 03/01/2019  
Date Made Active in Reports: 04/12/2019  
Number of Days to Update: 62

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 06/17/2019  
Data Release Frequency: Semi-Annually

## PLUMAS COUNTY:

### CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 64

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## RIVERSIDE COUNTY:

### LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/11/2019  
Date Data Arrived at EDR: 04/12/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 18

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 06/17/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Quarterly

### UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/11/2019  
Date Data Arrived at EDR: 04/12/2019  
Date Made Active in Reports: 06/20/2019  
Number of Days to Update: 69

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 06/17/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2019  
Date Data Arrived at EDR: 04/02/2019  
Date Made Active in Reports: 06/18/2019  
Number of Days to Update: 77

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/02/2019  
Next Scheduled EDR Contact: 07/15/2019  
Data Release Frequency: Quarterly

## ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/06/2019  
Date Data Arrived at EDR: 04/02/2019  
Date Made Active in Reports: 06/20/2019  
Number of Days to Update: 79

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/02/2019  
Next Scheduled EDR Contact: 07/15/2019  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 03/11/2019  
Date Data Arrived at EDR: 03/13/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 48

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 05/02/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 02/27/2019  
Date Data Arrived at EDR: 02/28/2019  
Date Made Active in Reports: 04/02/2019  
Number of Days to Update: 33

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 05/06/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 03/04/2019  
Date Data Arrived at EDR: 03/05/2019  
Date Made Active in Reports: 04/02/2019  
Number of Days to Update: 28

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 06/04/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018  
Date Data Arrived at EDR: 04/24/2018  
Date Made Active in Reports: 06/19/2018  
Number of Days to Update: 56

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/24/2019  
Date Data Arrived at EDR: 04/25/2019  
Date Made Active in Reports: 06/27/2019  
Number of Days to Update: 63

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### LUST SAN FRANCISCO: Local Oversight 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: 05/02/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 11/05/2018  
Date Data Arrived at EDR: 11/06/2018  
Date Made Active in Reports: 12/14/2018  
Number of Days to Update: 38

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 05/02/2019  
Next Scheduled EDR Contact: 08/19/2019  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 06/17/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 02/13/2019  
Date Data Arrived at EDR: 02/15/2019  
Date Made Active in Reports: 03/14/2019  
Number of Days to Update: 27

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 05/16/2019  
Next Scheduled EDR Contact: 09/02/2019  
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: 03/04/2019  
Date Data Arrived at EDR: 03/13/2019  
Date Made Active in Reports: 04/29/2019  
Number of Days to Update: 47

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/12/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Annually

### LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/10/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 05/16/2019  
Next Scheduled EDR Contact: 09/02/2019  
Data Release Frequency: No Update Planned

## SANTA CLARA COUNTY:

### CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/13/2019  
Date Data Arrived at EDR: 02/19/2019  
Date Made Active in Reports: 03/06/2019  
Number of Days to Update: 15

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 05/16/2019  
Next Scheduled EDR Contact: 09/02/2019  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/24/2019  
Next Scheduled EDR Contact: 09/09/2019  
Data Release Frequency: No Update Planned

## SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 01/30/2019  
Date Data Arrived at EDR: 02/01/2019  
Date Made Active in Reports: 03/07/2019  
Number of Days to Update: 34

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 05/16/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 05/16/2019  
Next Scheduled EDR Contact: 09/02/2019  
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: 05/16/2019  
Next Scheduled EDR Contact: 09/02/2019  
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: 03/05/2019  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 04/29/2019  
Number of Days to Update: 53

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Quarterly

### UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/05/2019  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 04/03/2019  
Number of Days to Update: 27

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 03/18/2019  
Date Data Arrived at EDR: 03/26/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 36

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 06/19/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Varies

## LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2019  
Date Data Arrived at EDR: 04/11/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 19

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 06/19/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 12/11/2018  
Date Data Arrived at EDR: 12/13/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 33

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 04/15/2019  
Next Scheduled EDR Contact: 07/29/2019  
Data Release Frequency: Varies

## SUTTER COUNTY:

### UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 02/28/2019  
Date Data Arrived at EDR: 03/01/2019  
Date Made Active in Reports: 04/03/2019  
Number of Days to Update: 33

Source: Sutter County Environmental Health Services  
Telephone: 530-822-7500  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

### CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 12/13/2018  
Date Data Arrived at EDR: 12/18/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 05/16/2019  
Next Scheduled EDR Contact: 08/19/2019  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA TRINITY: CUPA Facility List Cupa facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/18/2019  
Date Data Arrived at EDR: 01/23/2019  
Date Made Active in Reports: 03/06/2019  
Number of Days to Update: 42

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 04/22/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## TULARE COUNTY:

### CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 12/26/2018  
Date Data Arrived at EDR: 12/27/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 05/06/2019  
Next Scheduled EDR Contact: 08/19/2019  
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: 05/02/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Varies

## VENTURA COUNTY:

### BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/26/2019  
Date Data Arrived at EDR: 04/25/2019  
Date Made Active in Reports: 06/27/2019  
Number of Days to Update: 63

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 04/23/2019  
Next Scheduled EDR Contact: 08/05/2019  
Data Release Frequency: Quarterly

### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 06/26/2019  
Next Scheduled EDR Contact: 10/14/2019  
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: 05/09/2019  
Next Scheduled EDR Contact: 08/26/2019  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 03/26/2019	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/25/2019	Telephone: 805-654-2813
Date Made Active in Reports: 05/30/2019	Last EDR Contact: 04/23/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Quarterly

## UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/26/2019	Source: Environmental Health Division
Date Data Arrived at EDR: 03/13/2019	Telephone: 805-654-2813
Date Made Active in Reports: 04/03/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/29/2019	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/05/2019	Telephone: 530-666-8646
Date Made Active in Reports: 06/20/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Annually

## YUBA COUNTY:

### CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/08/2019	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/12/2019	Telephone: 530-749-7523
Date Made Active in Reports: 03/06/2019	Last EDR Contact: 04/25/2019
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/12/2019
	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: 02/11/2019	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/12/2019	Telephone: 860-424-3375
Date Made Active in Reports: 03/04/2019	Last EDR Contact: 05/14/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/26/2019
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 04/10/2019  
Next Scheduled EDR Contact: 07/22/2019  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 05/01/2019  
Date Made Active in Reports: 06/21/2019  
Number of Days to Update: 51

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/01/2019  
Next Scheduled EDR Contact: 08/12/2019  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 10/23/2018  
Date Made Active in Reports: 11/27/2018  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/15/2019  
Next Scheduled EDR Contact: 07/29/2019  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 02/23/2018  
Date Made Active in Reports: 04/09/2018  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 05/17/2019  
Next Scheduled EDR Contact: 09/02/2019  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/15/2018  
Date Made Active in Reports: 07/09/2018  
Number of Days to Update: 24

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/10/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

DUFFEL PROPERTY  
VAUGHN ROAD/HIGHWAY 113  
DIXON, CA 95620

### **TARGET PROPERTY COORDINATES**

Latitude (North):	38.465487 - 38° 27' 55.75"
Longitude (West):	121.823376 - 121° 49' 24.15"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	602652.3
UTM Y (Meters):	4257913.0
Elevation:	67 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5619702 DIXON, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

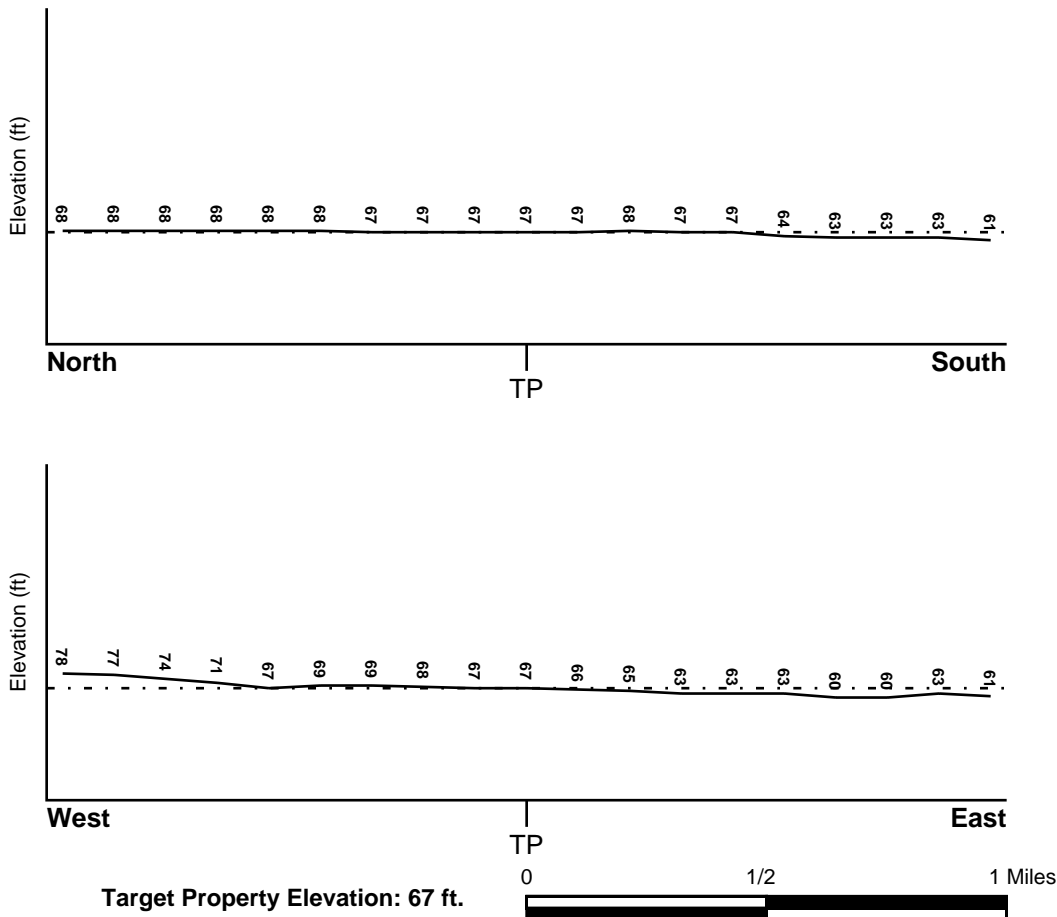
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

## 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**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06095C0200F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
DIXON	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
B13	1/2 - 1 Mile North	Varies
B16	1/2 - 1 Mile NNE	Varies
B19	1/2 - 1 Mile NNE	NE,SE
1G	1/2 - 1 Mile NNE	NE,SE
2G	1/2 - 1 Mile NNE	Varies
3G	1/2 - 1 Mile North	Varies

For additional site information, refer to Physical Setting Source Map Findings.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

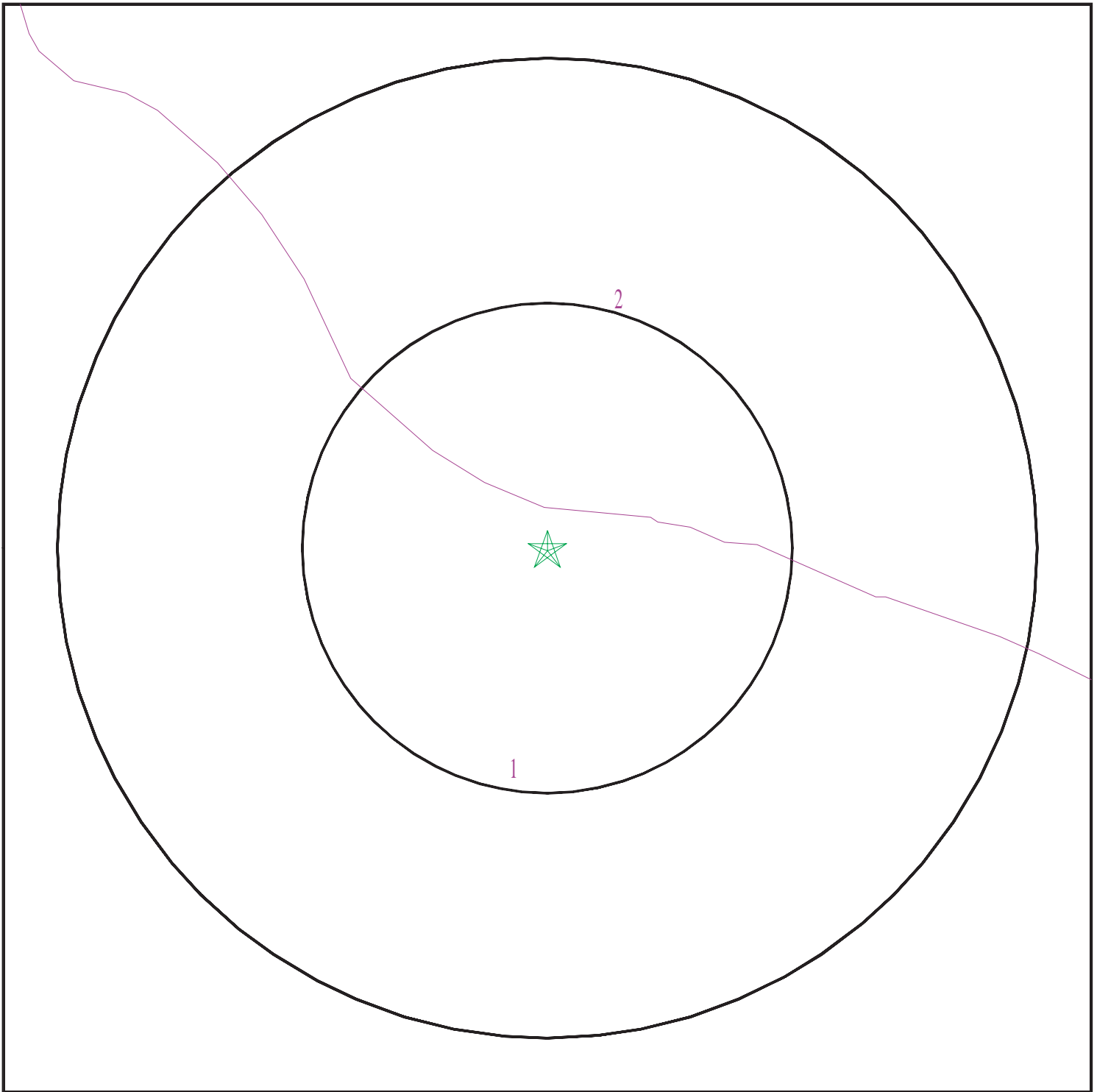
Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 5703071.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Duffel Property  
ADDRESS: Vaughn Road/Highway 113  
Dixon CA 95620  
LAT/LONG: 38.465487 / 121.823376

CLIENT: Tetra Tech Inc.  
CONTACT: Bryan C. Yates  
INQUIRY #: 5703071.2s  
DATE: June 28, 2019 5:33 pm

# 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: Yolo

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	silty 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 Soils.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
2	27 inches	59 inches	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 Soils.	Max: 14 Min: 4	Max: 8.4 Min: 6.6

### Soil Map ID: 2

Soil Component Name: Capay

Soil Surface Texture: silty clay loam

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: Moderately well drained

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	silty 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: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	20 inches	50 inches	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: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	50 inches	79 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: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
_____	_____	_____

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
7	USGS40000188490	1/4 - 1/2 Mile North
8	USGS40000188432	1/2 - 1 Mile SSE
10	USGS40000188472	1/2 - 1 Mile ENE
B14	USGS40000188512	1/2 - 1 Mile North
20	USGS40000188440	1/2 - 1 Mile WSW
21	USGS40000188417	1/2 - 1 Mile SSW
22	USGS40000188476	1/2 - 1 Mile ENE

## 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

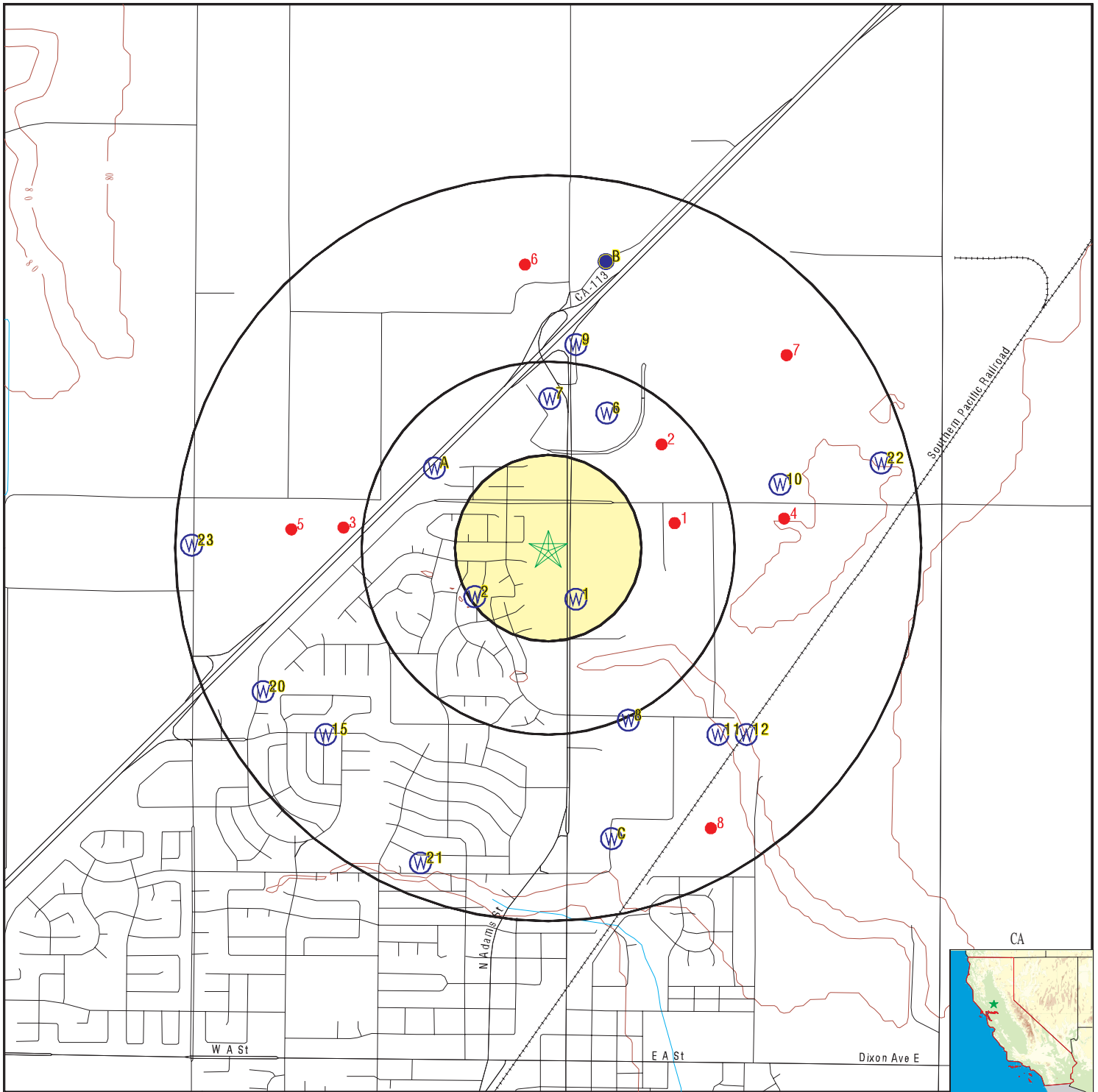
MAP ID	WELL ID	LOCATION FROM TP
1	CADWR8000038082	1/8 - 1/4 Mile SSE
2	CADWR8000038085	1/8 - 1/4 Mile WSW
A3	CADWR8000038099	1/4 - 1/2 Mile NW
A4	CADWR8000038100	1/4 - 1/2 Mile NW
A5	CADWR8000038101	1/4 - 1/2 Mile NW
6	7268	1/4 - 1/2 Mile NNE
9	CADWR8000038112	1/2 - 1 Mile North
11	7270	1/2 - 1 Mile SE
12	7269	1/2 - 1 Mile SE
15	7273	1/2 - 1 Mile SW
C17	CADWR8000038055	1/2 - 1 Mile SSE
C18	7271	1/2 - 1 Mile SSE
23	CADWR8000038093	1/2 - 1 Mile West

## OTHER STATE DATABASE INFORMATION

### STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG13000083345	1/4 - 1/2 Mile East
2	CAOG13000083349	1/4 - 1/2 Mile NE
3	CAOG13000009034	1/2 - 1 Mile West
4	CAOG13000083348	1/2 - 1 Mile East
5	CAOG13000009025	1/2 - 1 Mile West
6	CAOG13000008782	1/2 - 1 Mile North
7	CAOG13000083351	1/2 - 1 Mile NE
8	CAOG13000009009	1/2 - 1 Mile SSE

# PHYSICAL SETTING SOURCE MAP - 5703071.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Duffel Property  
 ADDRESS: Vaughn Road/Highway 113  
 Dixon CA 95620  
 LAT/LONG: 38.465487 / 121.823376

CLIENT: Tetra Tech Inc.  
 CONTACT: Bryan C. Yates  
 INQUIRY #: 5703071.2s  
 DATE: June 28, 2019 5:33 pm



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

<b>1</b>	<b>SSE</b>	<b>CA WELLS</b>	<b>CADWR8000038082</b>
	<b>1/8 - 1/4 Mile</b>		
	<b>Higher</b>		
State Well #:	07N01E12N002M	Station ID:	7380
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	98
Basin Name:	Solano	Well Completion Rpt #:	104

<b>2</b>	<b>WSW</b>	<b>CA WELLS</b>	<b>CADWR8000038085</b>
	<b>1/8 - 1/4 Mile</b>		
	<b>Higher</b>		
State Well #:	07N01E11R001M	Station ID:	28660
Well Name:	Not Reported	Well Use:	Irrigation
Well Type:	Unknown	Well Depth:	0
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

<b>A3</b>	<b>NW</b>	<b>CA WELLS</b>	<b>CADWR8000038099</b>
	<b>1/4 - 1/2 Mile</b>		
	<b>Higher</b>		
State Well #:	07N01E11G001M	Station ID:	48494
Well Name:	SCWA-Dixon MW-1200	Well Use:	Observation
Well Type:	Part of a nested/multi-completion well	Basin Name:	Solano
Well Depth:	1200		
Well Completion Rpt #:	e0098903		

<b>A4</b>	<b>NW</b>	<b>CA WELLS</b>	<b>CADWR8000038100</b>
	<b>1/4 - 1/2 Mile</b>		
	<b>Higher</b>		
State Well #:	07N01E11G002M	Station ID:	48495
Well Name:	SCWA-Dixon MW-2212	Well Use:	Observation
Well Type:	Part of a nested/multi-completion well	Basin Name:	Solano
Well Depth:	2212		
Well Completion Rpt #:	e0098903		

<b>A5</b>	<b>NW</b>	<b>CA WELLS</b>	<b>CADWR8000038101</b>
	<b>1/4 - 1/2 Mile</b>		
	<b>Higher</b>		
State Well #:	07N01E11G003M	Station ID:	48496
Well Name:	SCWA-Dixon MW-2370	Well Use:	Observation
Well Type:	Part of a nested/multi-completion well	Basin Name:	Solano
Well Depth:	2370		
Well Completion Rpt #:	e0098903		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**6**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**CA WELLS      7268**

Seq:	7268	Prim sta c:	07N/01E-12D01 M
Frds no:	4800517001	County:	48
District:	04	User id:	ENG
System no:	4800517	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382815.0	Longitude:	1214910.0
Precision:	3	Status:	AR
Comment 1:	HWY 80 AND FIRST ST. DIXON	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4800517	System nam:	Dixon Livestock Auction
Hqname:	Not Reported	Address:	P.O. Box 967
City:	Dixon	State:	CA
Zip:	95620	Zip ext:	Not Reported
Pop serv:	100	Connection:	1
Area serve:	Not Reported		

**7**  
**North**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS40000188490**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N001E11A001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19730901	Well Depth:	121
Well Depth Units:	ft	Well Hole Depth:	121
Well Hole Depth Units:	ft		

**8**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000188432**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N001E13D003M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19780131	Well Depth:	100
Well Depth Units:	ft	Well Hole Depth:	100
Well Hole Depth Units:	ft		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels, Number of Measurements:	1	Level reading date:	1976-01-31
Feet below surface:	30.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**9**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS    CADWR8000038112**

State Well #:	07N01E12G001M	Station ID:	49217
Well Name:	SID DW-8	Well Use:	Irrigation
Well Type:	Single Well	Well Depth:	105
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

**10**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS    USGS40000188472**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N001E12G003M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19671012	Well Depth:	130
Well Depth Units:	ft	Well Hole Depth:	156
Well Hole Depth Units:	ft		

**11**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS    7270**

Seq:	7270	Prim sta c:	07N/01E-13D03 M
Frds no:	4800806001	County:	48
District:	04	User id:	ENG
System no:	4800806	Water type:	G
Source nam:	WELL 01 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382730.0	Longitude:	1214850.0
Precision:	3	Status:	IR
Comment 1:	325 INDUSTRIAL WAY DIXON WELL LOCATED IN A LIGHT INDUSTRIAL PARK		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	4800806	System nam:	PAC POWER
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**12**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      7269**

Seq:	7269	Prim sta c:	07N/01E-13C02 M
Frds no:	4810009002	County:	48
District:	04	User id:	ENG
System no:	4810009	Water type:	G
Source nam:	WELL 44	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382730.0	Longitude:	1214845.0
Precision:	5	Status:	AR
Comment 1:	INDUSTRIAL PARK WELL	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	4810009	System nam:	DIXON - SOLANO MWS
Hqname:	Not Reported	Address:	508 ELMIRA ROAD
City:	VACAVILLE	State:	CA
Zip:	95687	Zip ext:	Not Reported
Pop serv:	2948	Connection:	1010
Area serve:	NORTHERN AND WESTERN DIXON		

Sample date:	17-JAN-18	Finding:	4.811
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	20-DEC-17	Finding:	4.994
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	03-OCT-17	Finding:	4.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	03-OCT-17	Finding:	18.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		

Sample date:	05-JUL-17	Finding:	4.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	05-JUL-17	Finding:	19.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		

Sample date:	05-APR-17	Finding:	5.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	05-APR-17	Finding:	15.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		

Sample date:	10-JAN-17	Finding:	7.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	10-JAN-17	Finding:	25.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	18-OCT-16	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-OCT-16	Finding:	20.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	29-SEP-16	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	29-SEP-16	Finding:	22.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	22-JUN-16	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-JUN-16	Finding:	21.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	15-MAR-16	Finding:	5.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	15-MAR-16	Finding:	16.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	15-DEC-15	Finding:	18.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	15-DEC-15	Finding:	5.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-SEP-15	Finding:	16.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	16-SEP-15	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	26-JUN-15	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	26-JUN-15	Finding:	20.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	26-JUN-15	Finding:	4.5
Chemical:	NITRATE (AS N)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.4		
Sample date:	15-APR-15	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	24.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	23.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	59.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	1.5
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	13.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	28.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	15-APR-15	Finding:	0.22
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	15-APR-15	Finding:	140.
Chemical:	BARIUM	Report units:	UG/L
Dir:	100.		
Sample date:	15-APR-15	Finding:	12.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dir:	10.		
Sample date:	15-APR-15	Finding:	8.7
Chemical:	SELENIUM	Report units:	UG/L
Dir:	5.		
Sample date:	15-APR-15	Finding:	340.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	3400.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	15-APR-15	Finding:	305.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	250.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	15-APR-15	Finding:	7.82
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	15-APR-15	Finding:	570.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	02-APR-15	Finding:	23.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	02-APR-15	Finding:	4.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	02-APR-15	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	31-DEC-14	Finding:	14.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	18-DEC-14	Finding:	24.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	30-SEP-14	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	24-APR-14	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-JAN-14	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-OCT-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-APR-12	Finding:	360.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	6.3
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	260.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	37.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	42.
Chemical:	MAGNESIUM	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	04-APR-12	Finding:	51.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	2.1
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	13.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	35.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	04-APR-12	Finding:	200.
Chemical:	BARIUM	Report units:	UG/L
Dir:	100.		
Sample date:	04-APR-12	Finding:	23.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dir:	10.		
Sample date:	04-APR-12	Finding:	420.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-APR-12	Finding:	0.15
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	04-APR-12	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	04-APR-12	Finding:	6200.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	04-APR-12	Finding:	290.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	8.4
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	04-APR-12	Finding:	670.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**B13**  
**North**  
**1/2 - 1 Mile**  
**Higher**

Site ID: Not Reported  
Groundwater Flow: Varies  
Shallow Water Depth: 19.4  
Deep Water Depth: 21.9  
Average Water Depth: Not Reported  
Date: 05/10/1994

**AQUIFLOW      53062**

**B14**  
**North**  
**1/2 - 1 Mile**  
**Higher**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N001E01N003M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19600520	Well Depth:	290
Well Depth Units:	ft	Well Hole Depth:	297
Well Hole Depth Units:	ft		

**FED USGS      USGS40000188512**

**15**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

Seq:	7273	Prim sta c:	07N/01E-14D04 M
Frds no:	4810009001	County:	48
District:	04	User id:	ENG
System no:	4810009	Water type:	G
Source nam:	WELL 37	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382730.0	Longitude:	1215000.0
Precision:	5	Status:	AU
Comment 1:	WATSON RANCH WELL	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

**CA WELLS      7273**

System no:	4810009	System nam:	DIXON - SOLANO MWS
Hqname:	Not Reported	Address:	508 ELMIRA ROAD
City:	VACAVILLE	State:	CA
Zip:	95687	Zip ext:	Not Reported
Pop serv:	2948	Connection:	1010
Area serve:	NORTHERN AND WESTERN DIXON		

Sample date:	17-JAN-18	Finding:	5.117
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	20-DEC-17	Finding:	5.23
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-OCT-17	Finding:	14.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	05-JUL-17	Finding:	10.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	05-APR-17	Finding:	11.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	10-JAN-17	Finding:	2.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	10-JAN-17	Finding:	21.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	18-OCT-16	Finding:	17.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	29-SEP-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	29-SEP-16	Finding:	21.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	22-JUN-16	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-JUN-16	Finding:	20.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	15-MAR-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	15-MAR-16	Finding:	19.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	16-DEC-15	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-DEC-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	16-SEP-15	Finding:	4.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-SEP-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	1.		
Sample date:	26-JUN-15	Finding:	4.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	26-JUN-15	Finding:	14.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	15-APR-15	Finding:	244.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	120.
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	20.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	17.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	79.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	2.8
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	31.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	45.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	15-APR-15	Finding:	0.19
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	15-APR-15	Finding:	120.
Chemical:	BARIUM	Report units:	UG/L
Dir:	100.		
Sample date:	15-APR-15	Finding:	340.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	15-APR-15	Finding:	670.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	15-APR-15	Finding:	200.
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>	Report units:	MG/L
Dir:	0.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	15-APR-15	Finding:	7.83
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	15-APR-15	Finding:	630.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	15-APR-15	Finding:	24.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dir:	10.		
Sample date:	02-APR-15	Finding:	16.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	02-APR-15	Finding:	16.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	02-APR-15	Finding:	3.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	31-DEC-14	Finding:	11.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	18-DEC-14	Finding:	7.8
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	04-APR-12	Finding:	3000.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	04-APR-12	Finding:	8.5
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	04-APR-12	Finding:	240.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	290.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	5.6
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	230.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	34.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	36.
Chemical:	MAGNESIUM	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	04-APR-12	Finding:	38.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	1.8
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	11.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	26.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	04-APR-12	Finding:	190.
Chemical:	BARIUM	Report units:	UG/L
Dir:	100.		
Sample date:	04-APR-12	Finding:	20.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dir:	10.		
Sample date:	04-APR-12	Finding:	360.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	04-APR-12	Finding:	0.29
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	04-APR-12	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	04-APR-12	Finding:	530.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		

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<b>B16 NNE 1/2 - 1 Mile Higher</b>	Site ID: Not Reported Groundwater Flow: Varies Shallow Water Depth: 19.4 Deep Water Depth: 21.5 Average Water Depth: Not Reported Date: 05/10/1994	<b>AQUIFLOW</b>	<b>53156</b>
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<b>C17 SSE 1/2 - 1 Mile Lower</b>		<b>CA WELLS</b>	<b>CADWR8000038055</b>
State Well #:	07N01E03K003M	Station ID:	49218
Well Name:	SID DW-60	Well Use:	Irrigation
Well Type:	Single Well	Well Depth:	705
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**C18**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      7271**

Seq:	7271	Prim sta c:	07N/01E-13E06 M
Frds no:	4800516001	County:	48
District:	04	User id:	ENG
System no:	4800516	Water type:	G
Source nam:	WELL 01 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382715.0	Longitude:	1214910.0
Precision:	3	Status:	IR
Comment 1:	800 N FIRST ST DIXON WELL LOCATED ON-SITE NEAR DIXON CITY LIMITS		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	4800516	System nam:	ARMOUR & CO
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

**B19**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

Site ID:	Not Reported	<b>AQUIFLOW      53182</b>
Groundwater Flow:	NE,SE	
Shallow Water Depth:	19.41	
Deep Water Depth:	28.35	
Average Water Depth:	Not Reported	
Date:	01/09/1990	

**20**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000188440**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N001E14D004M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19780227	Well Depth:	917
Well Depth Units:	ft	Well Hole Depth:	925
Well Hole Depth Units:	ft		
Ground water levels,Number of Measurements:	1	Level reading date:	1980-05-21
Feet below surface:	76.22	Feet to sea level:	Not Reported
Note:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**21**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000188417**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N001E14G002M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19730418	Well Depth:	650
Well Depth Units:	ft	Well Hole Depth:	650
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1979-12-28
Feet below surface:	45.0	Feet to sea level:	Not Reported
Note:	Not Reported		

**22**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000188476**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N001E12H001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvial Fan Deposits	Aquifer Type:	Not Reported
Construction Date:	19670921	Well Depth:	208
Well Depth Units:	ft	Well Hole Depth:	329
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1979-12-18
Feet below surface:	33.05	Feet to sea level:	Not Reported
Note:	Not Reported		

**23**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADWR8000038093**

State Well #:	07N01E11M001M	Station ID:	38346
Well Name:	07N01E11M001M	Well Use:	Irrigation
Well Type:	Single Well	Well Depth:	150
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

<b>1G</b> <b>NNE</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NE,SE 19.41 28.35 Not Reported 01/09/1990	<b>AQUIFLOW</b>	<b>53182</b>
--	---	---	-----------------	--------------

<b>2G</b> <b>NNE</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies 19.4 21.5 Not Reported 05/10/1994	<b>AQUIFLOW</b>	<b>53156</b>
--	---	--	-----------------	--------------

<b>3G</b> <b>North</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies 19.4 21.9 Not Reported 05/10/1994	<b>AQUIFLOW</b>	<b>53062</b>
--	---	--	-----------------	--------------



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database      EDR ID Number

**1**

**East**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG13000083345**

API #:	0409520587	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Hilliard Oil & Gas, Inc.	Lease Name:	Nishikawa Unit
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	12/01/1982

**2**

**NE**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG13000083349**

API #:	0409520768	Well #:	1
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Robert Sumpf	Lease Name:	Vaughn
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	08/27/1986

**3**

**West**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG13000009034**

API #:	0409520751	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Robert Sumpf	Lease Name:	Fulmor
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	03/19/1986

**4**

**East**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG13000083348**

API #:	0409520761	Well #:	1
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Robert Sumpf	Lease Name:	Nishikawa
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	07/02/1986

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**5**

**West**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG13000009025**

API #:	0409520721	Well #:	11-1
Well Status:	Plugged	Well Type:	DH
Operator Name:	TXO Production Corp.	Lease Name:	Fulmor
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	04/18/1985

**6**

**North**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG13000008782**

API #:	0409500376	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gill Unit
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	09/17/1959

**7**

**NE**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG130000083351**

API #:	0409520984	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Two Bay Petroleum	Lease Name:	Vaughn
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	08/31/1994

**8**

**SSE**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG13000009009**

API #:	0409520665	Well #:	13-1
Well Status:	Plugged	Well Type:	DH
Operator Name:	TXO Production Corp.	Lease Name:	Timm
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	04/18/1984

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95620	5	0

Federal EPA Radon Zone for SOLANO County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

---

### Federal Area Radon Information for SOLANO COUNTY, CA

Number of sites tested: 41

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.993 pCi/L	95%	5%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.433 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

#### California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### RADON

#### State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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Duffel Property

Vaughn Road/Highway 113

Dixon, CA 95620

Inquiry Number: 5703071.4

June 28, 2019

# EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

06/28/19

**Site Name:**

Duffel Property  
Vaughn Road/Highway 113  
Dixon, CA 95620  
EDR Inquiry # 5703071.4

**Client Name:**

Tetra Tech Inc.  
5012 Luce Ave #103  
McClellan, CA 95652  
Contact: Bryan C. Yates



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Tetra Tech Inc. 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. EDR's 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:**

**Coordinates:**

<b>P.O.#</b>	NA	<b>Latitude:</b>	38.465487 38° 27' 56" North
<b>Project:</b>	Duffel Property	<b>Longitude:</b>	-121.823376 -121° 49' 24" West
		<b>UTM Zone:</b>	Zone 10 North
		<b>UTM X Meters:</b>	602649.70
		<b>UTM Y Meters:</b>	4258119.51
		<b>Elevation:</b>	67.00' above sea level

**Maps Provided:**

2012  
1981  
1975  
1968  
1953  
1952  
1916  
1908

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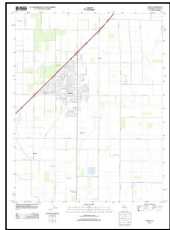
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## **Topo Sheet Key**

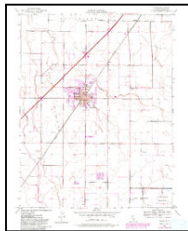
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **2012 Source Sheets**



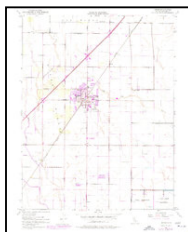
Dixon  
2012  
7.5-minute, 24000

### **1981 Source Sheets**



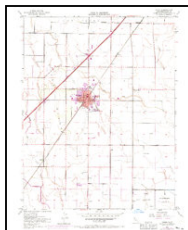
Dixon  
1981  
7.5-minute, 24000  
Aerial Photo Revised 1978

### **1975 Source Sheets**



Dixon  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975

### **1968 Source Sheets**



Dixon  
1968  
7.5-minute, 24000  
Aerial Photo Revised 1968

## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1953 Source Sheets



Vacaville  
1953  
15-minute, 62500  
Aerial Photo Revised 1949

### 1952 Source Sheets



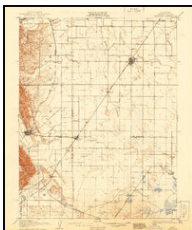
Dixon  
1952  
7.5-minute, 24000  
Aerial Photo Revised 1949

### 1916 Source Sheets

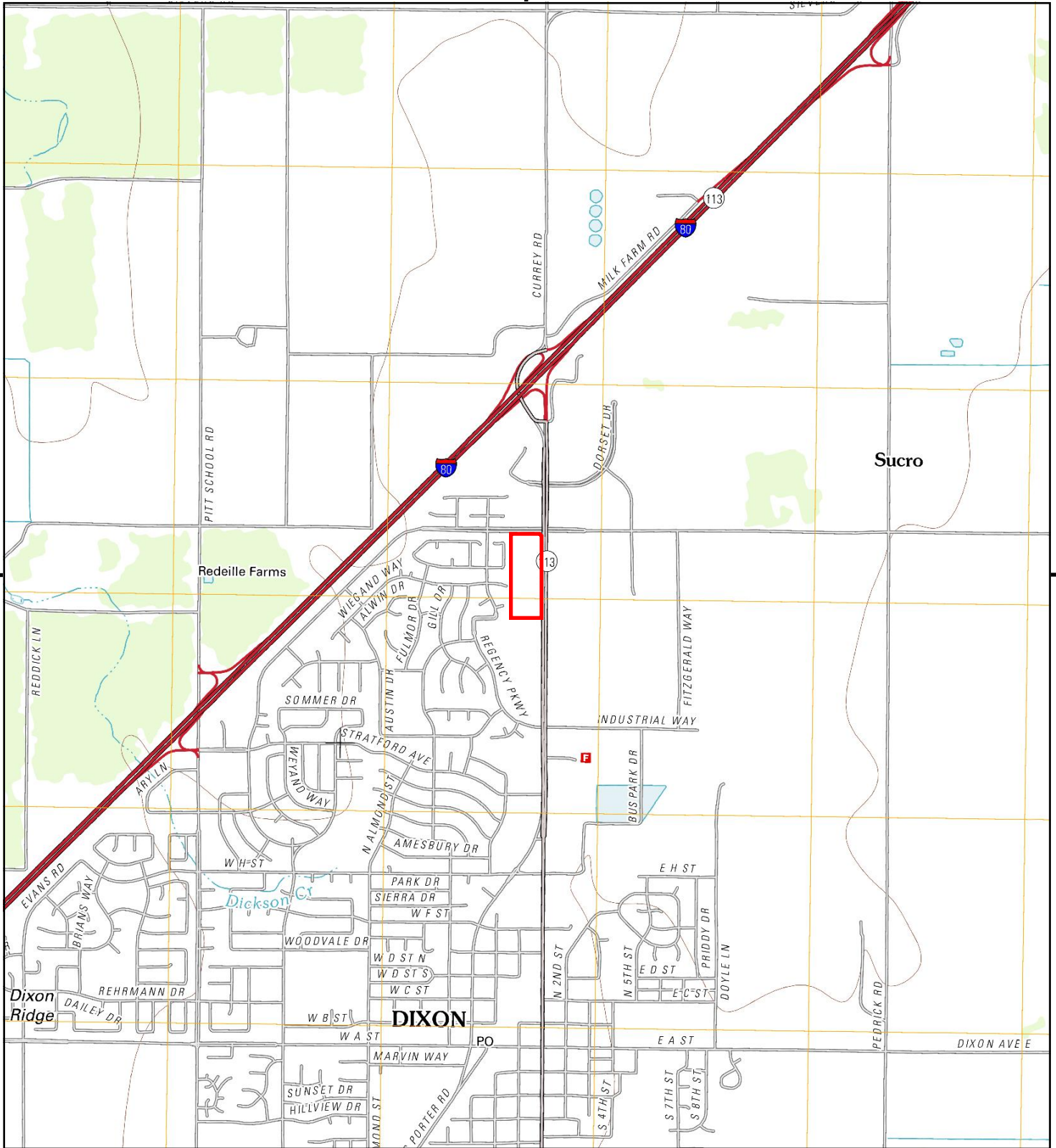


Dixon  
1916  
7.5-minute, 31680

### 1908 Source Sheets



Vacaville  
1908  
15-minute, 62500



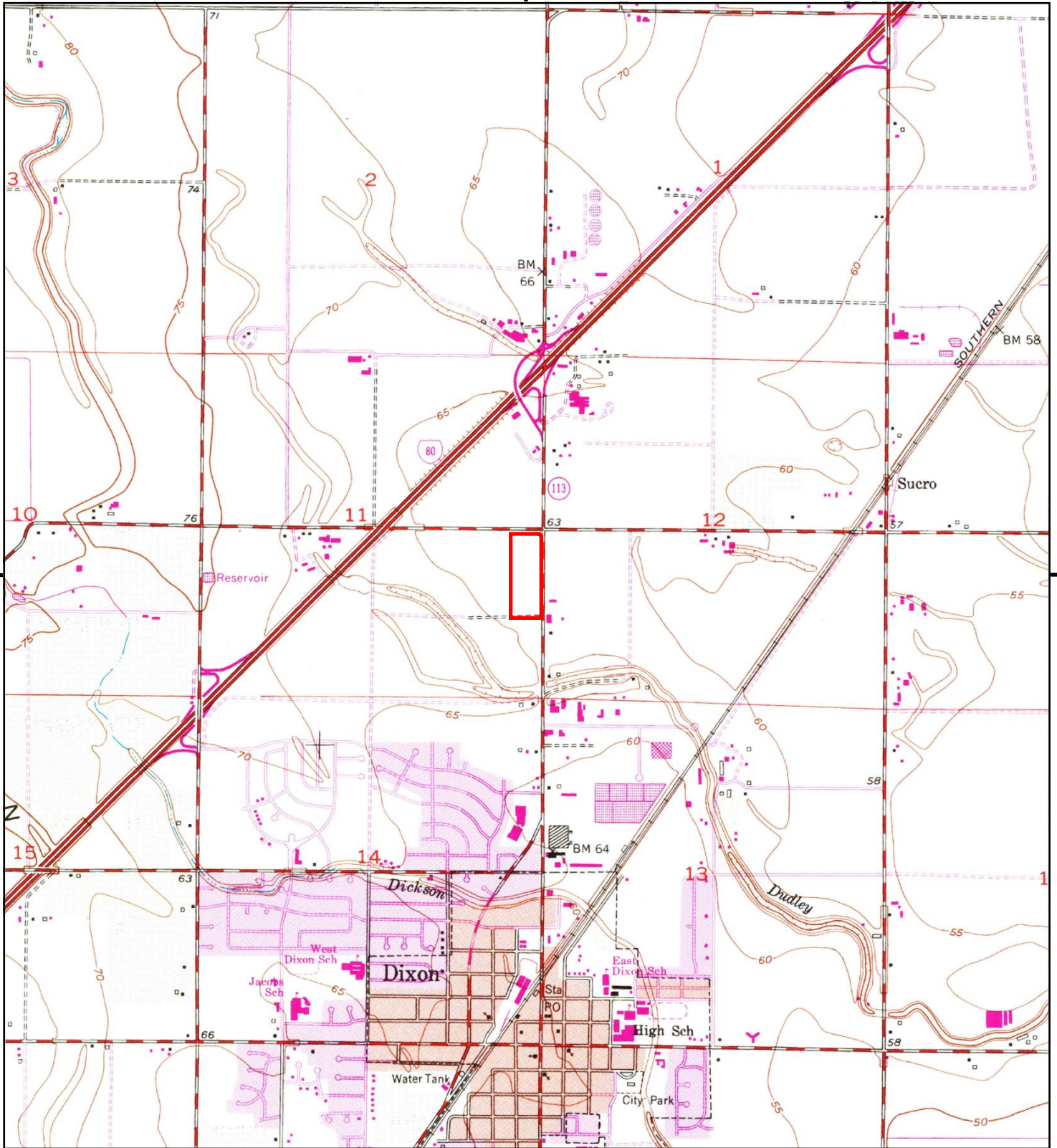
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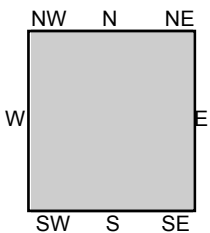
TP, Dixon, 2012, 7.5-minute

**SITE NAME:** Duffel Property  
**ADDRESS:** Vaughn Road/Highway 113  
 Dixon, CA 95620  
**CLIENT:** Tetra Tech Inc.





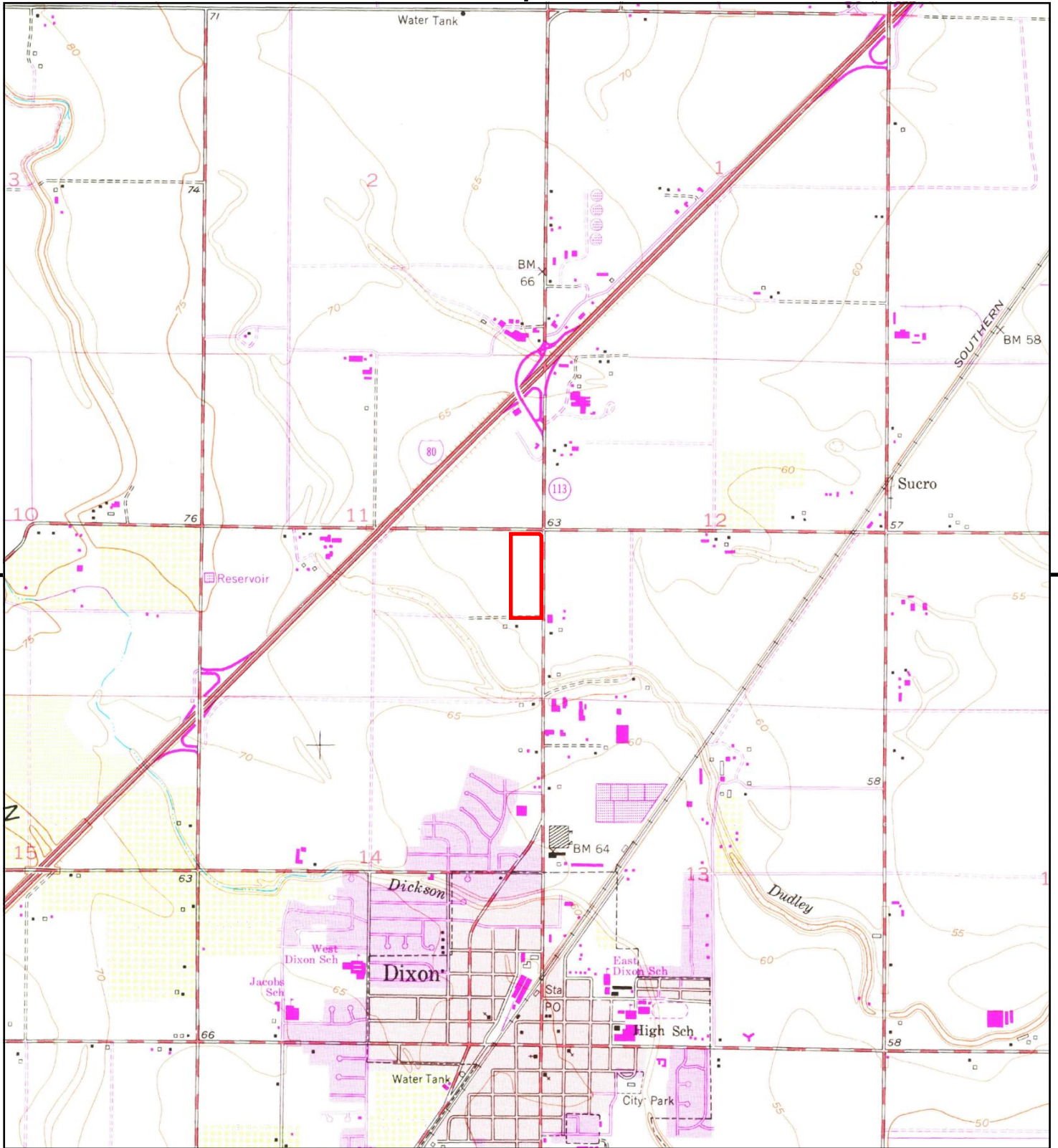
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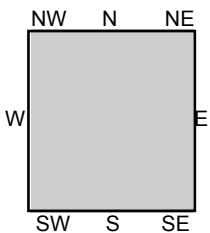
TP, Dixon, 1981, 7.5-minute

**SITE NAME:** Duffel Property  
**ADDRESS:** Vaughn Road/Highway 113  
 Dixon, CA 95620  
**CLIENT:** Tetra Tech Inc.





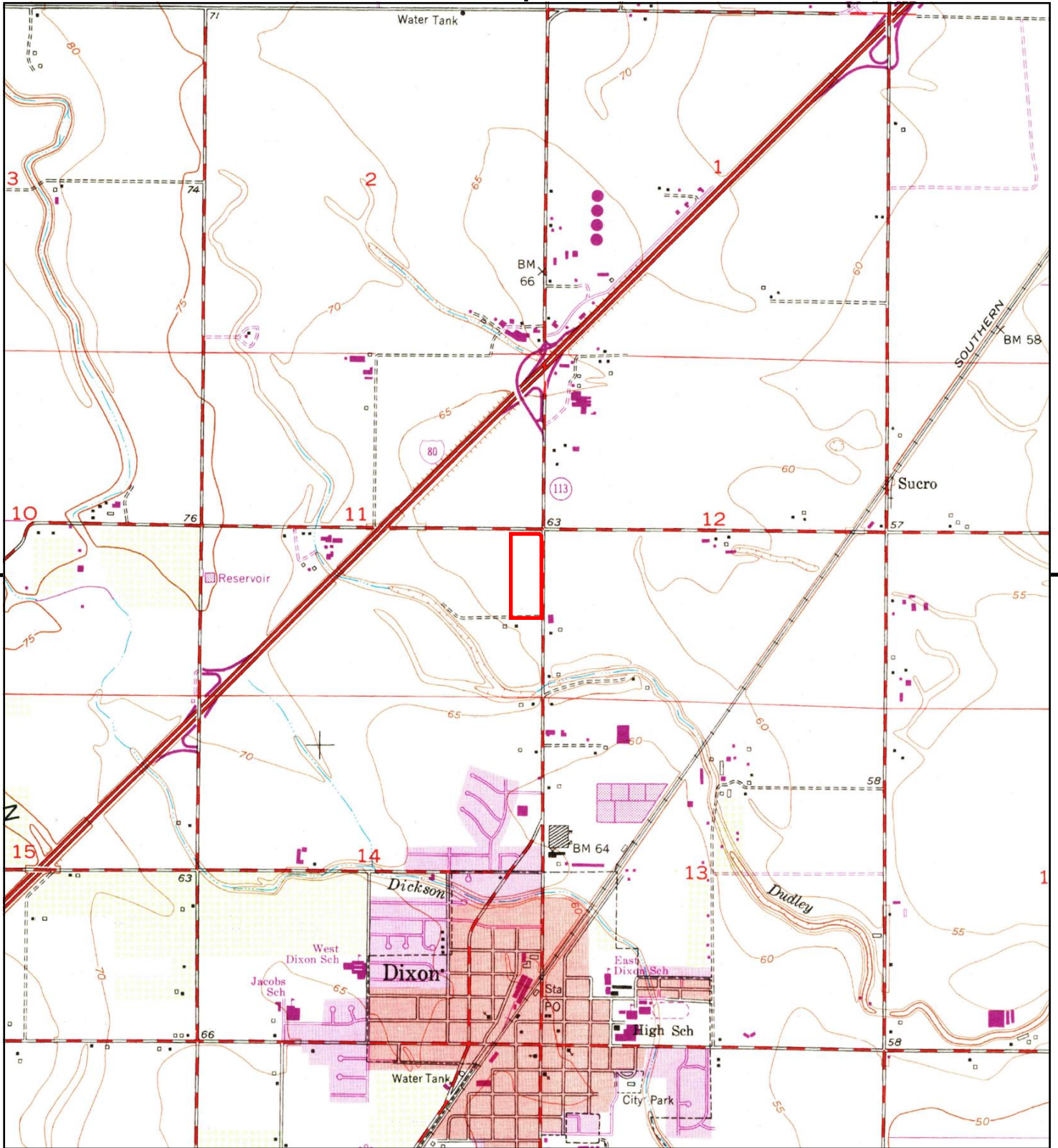
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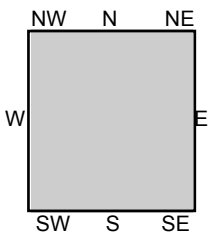
TP, Dixon, 1975, 7.5-minute

**SITE NAME:** Duffel Property  
**ADDRESS:** Vaughn Road/Highway 113  
 Dixon, CA 95620  
**CLIENT:** Tetra Tech Inc.





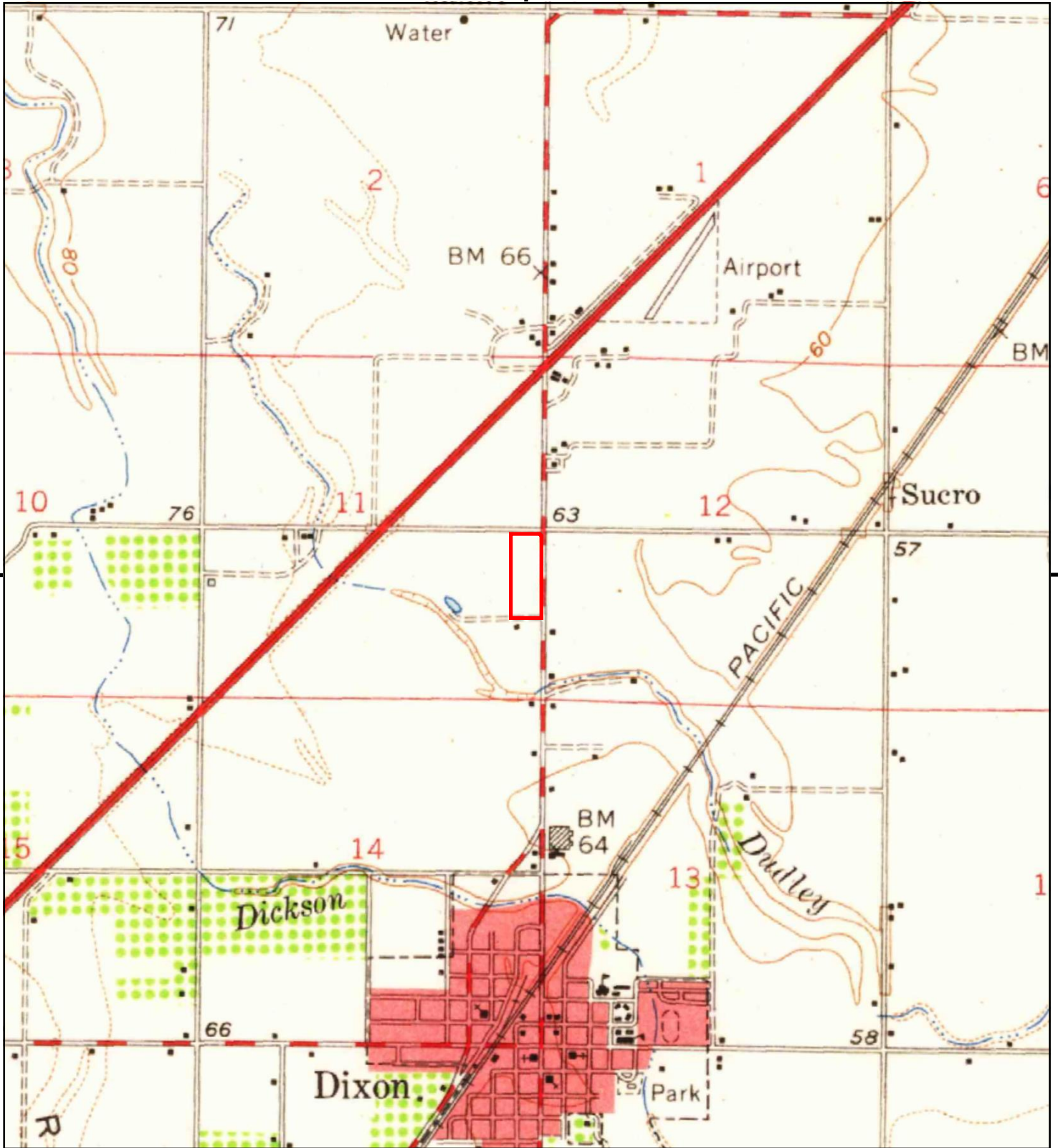
This report includes information from the following map sheet(s).



TP, Dixon, 1968, 7.5-minute

**SITE NAME:** Duffel Property  
**ADDRESS:** Vaughn Road/Highway 113  
 Dixon, CA 95620  
**CLIENT:** Tetra Tech Inc.





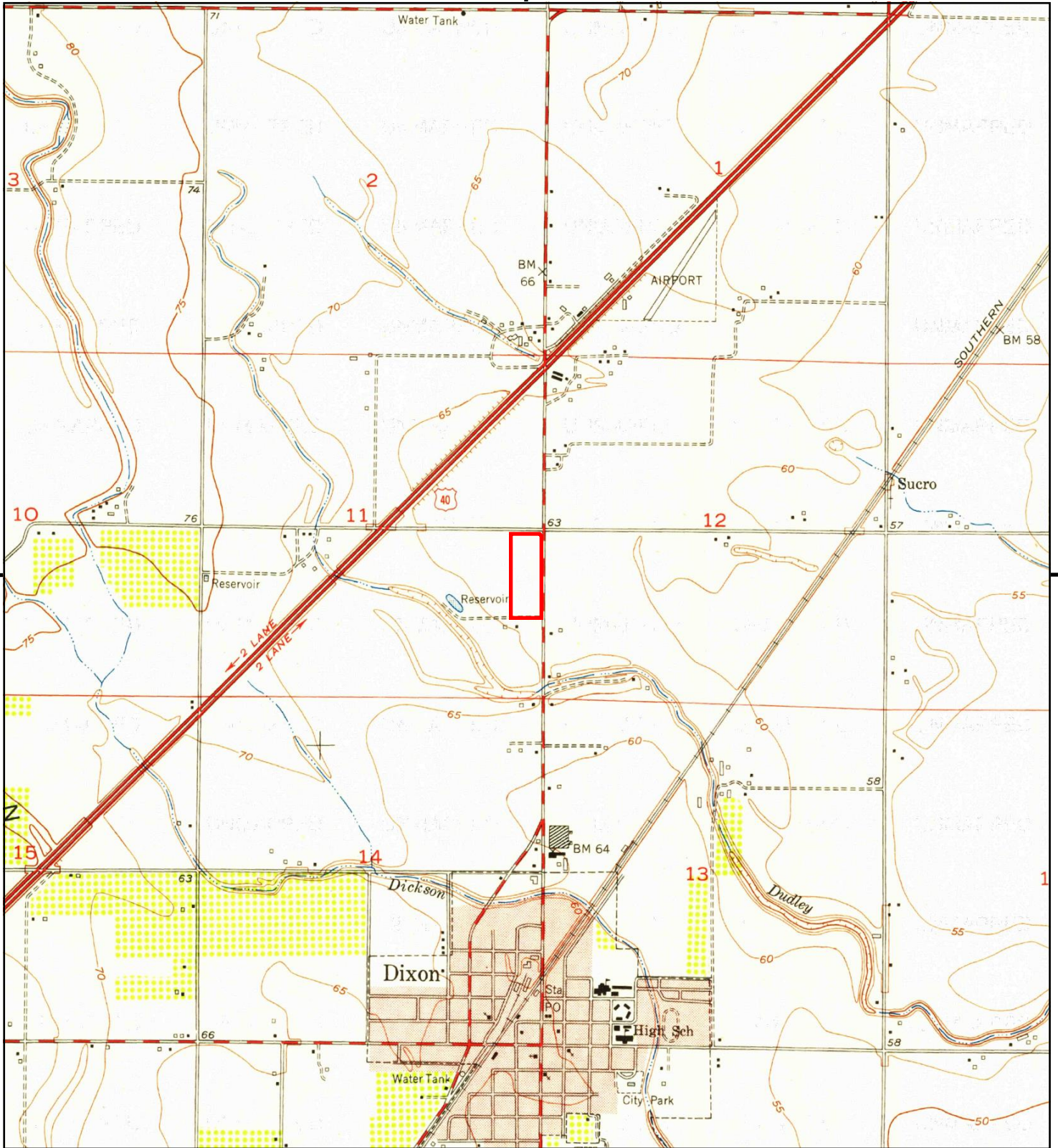
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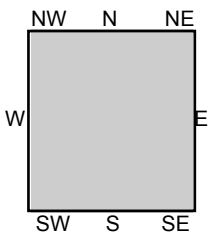
TP, Vacaville, 1953, 15-minute

SITE NAME: Duffel Property  
ADDRESS: Vaughn Road/Highway 113  
Dixon, CA 95620  
CLIENT: Tetra Tech Inc.





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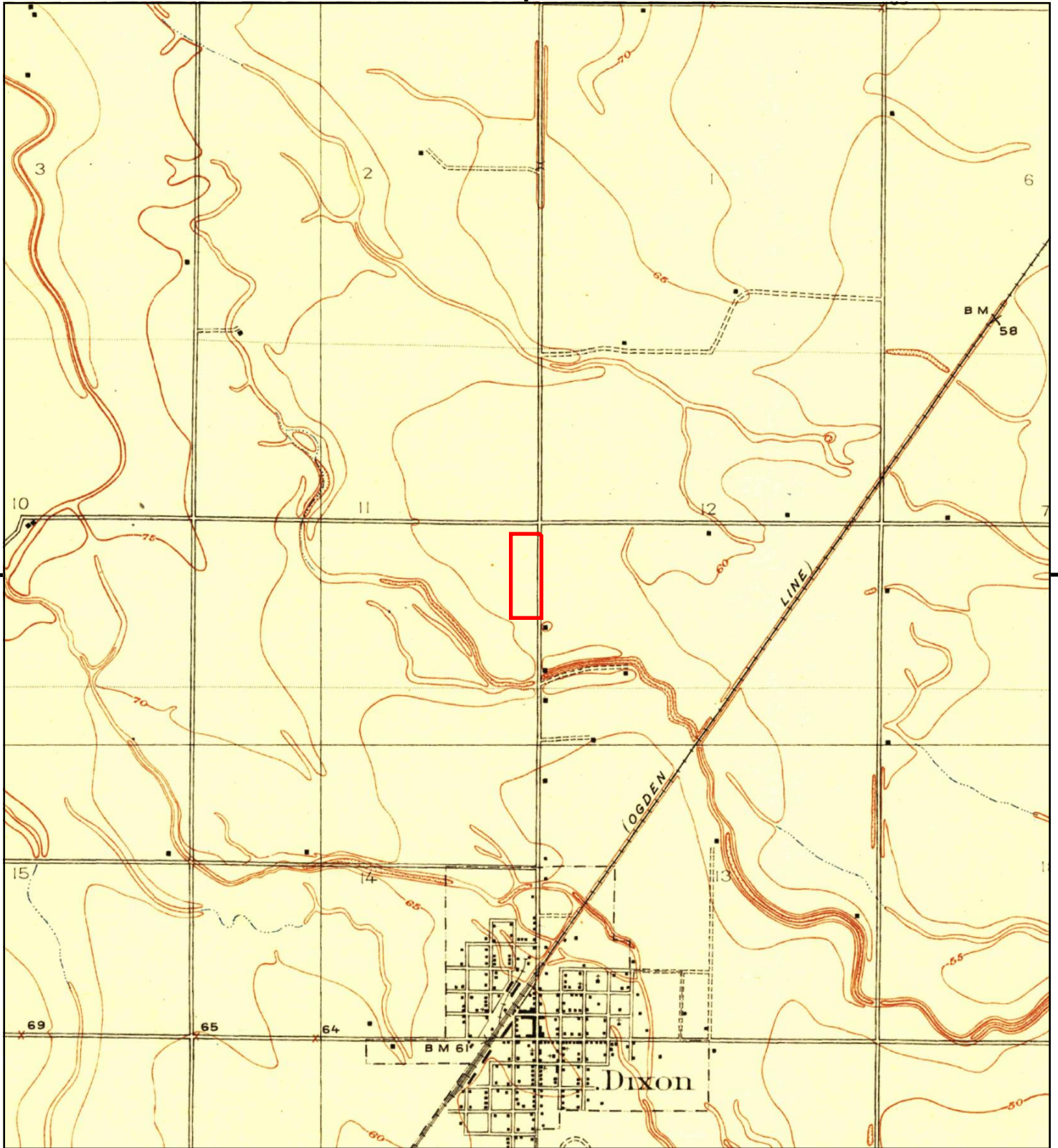


TP, Dixon, 1952, 7.5-minute

**SITE NAME:** Duffel Property  
**ADDRESS:** Vaughn Road/Highway 113  
 Dixon, CA 95620  
**CLIENT:** Tetra Tech Inc.







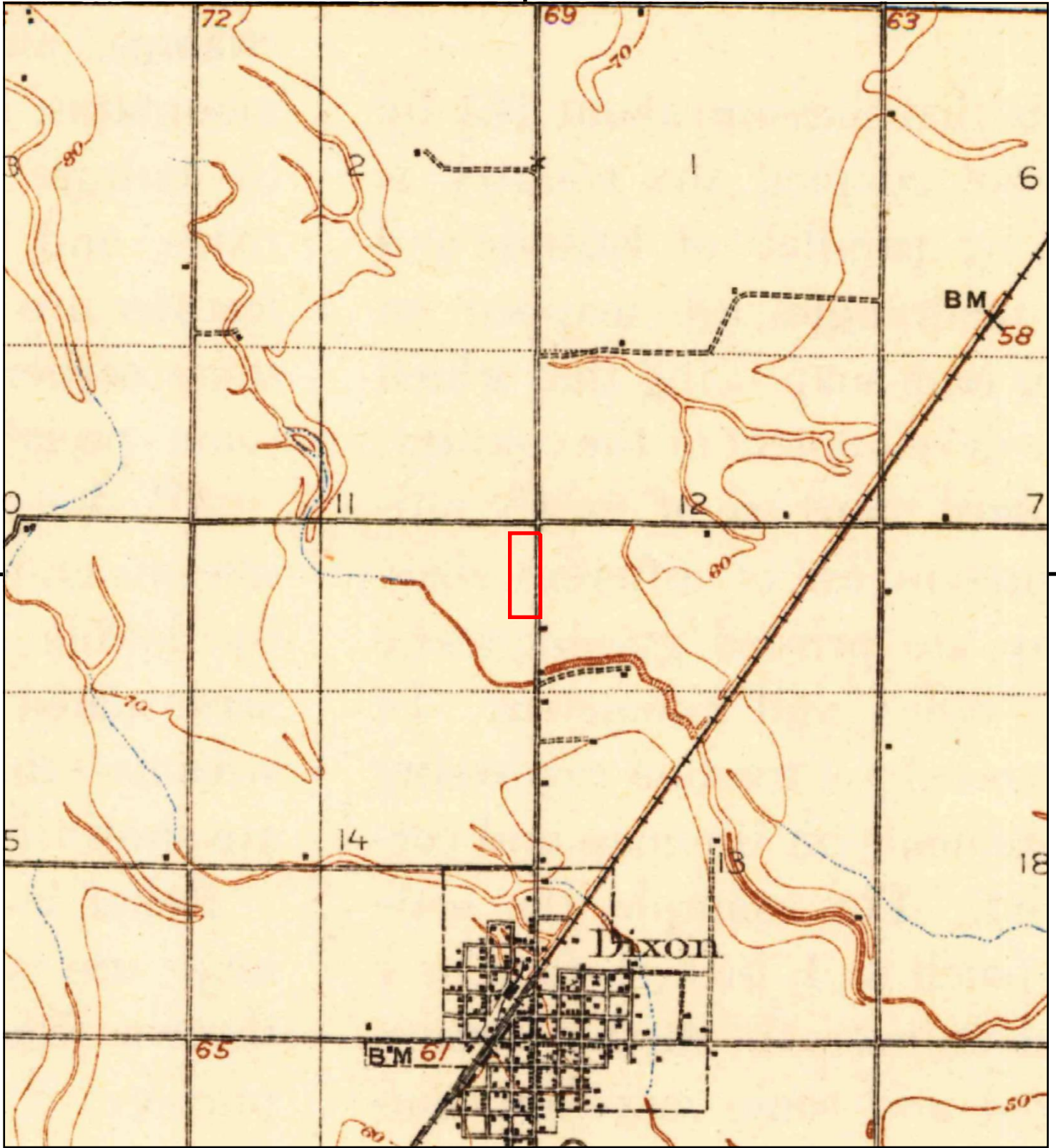
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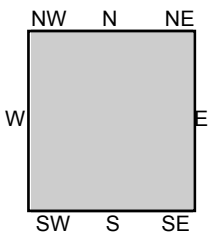
TP, Dixon, 1916, 7.5-minute

SITE NAME: Duffel Property  
ADDRESS: Vaughn Road/Highway 113  
Dixon, CA 95620  
CLIENT: Tetra Tech Inc.





This report includes information from the following map sheet(s).



TP, Vacaville, 1908, 15-minute

SITE NAME: Duffel Property  
ADDRESS: Vaughn Road/Highway 113  
Dixon, CA 95620  
CLIENT: Tetra Tech Inc.





**Duffel Property**

Vaughn Road/Highway 113

Dixon, CA 95620

Inquiry Number: 5703071.8

July 01, 2019

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

07/01/19

**Site Name:**

Duffel Property  
Vaughn Road/Highway 113  
Dixon, CA 95620  
EDR Inquiry # 5703071.8

**Client Name:**

Tetra Tech Inc.  
5012 Luce Ave #103  
McClellan, CA 95652  
Contact: Bryan C. Yates



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:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1993	1"=500'	Acquisition Date: June 12, 1993	USGS/DOQQ
1984	1"=500'	Flight Date: June 08, 1984	USDA
1974	1"=500'	Flight Date: July 12, 1974	USGS
1968	1"=500'	Flight Date: May 28, 1968	USGS
1952	1"=500'	Flight Date: August 02, 1952	USDA
1937	1"=500'	Flight Date: August 25, 1937	USDA

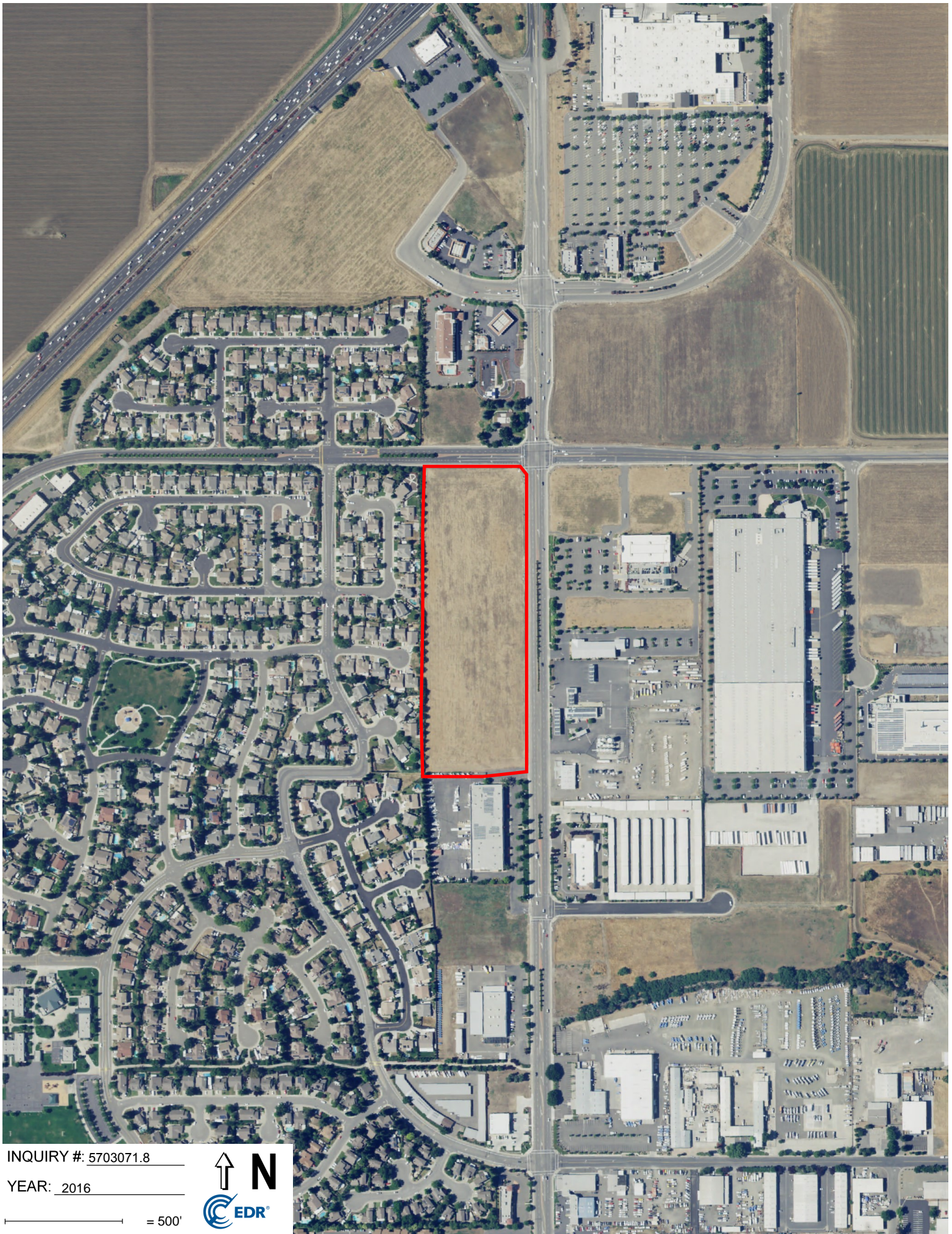
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INQUIRY #: 5703071.8

YEAR: 2016

— = 500'





INQUIRY #: 5703071.8

YEAR: 2012

— = 500'





INQUIRY #: 5703071.8

YEAR: 2009

— = 500'





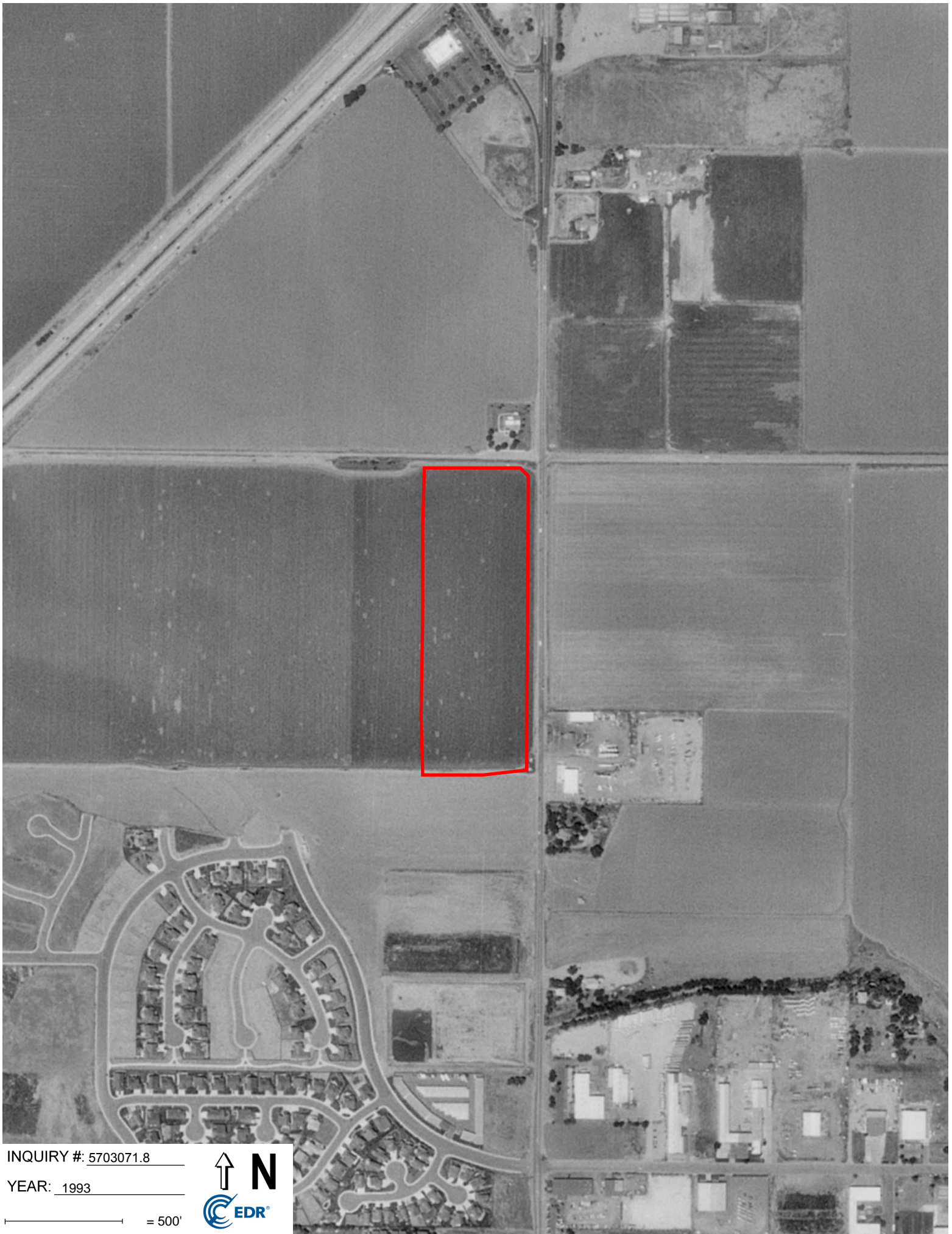
INQUIRY #: 5703071.8

YEAR: 2006

— = 500'







INQUIRY #: 5703071.8

YEAR: 1993

— = 500'



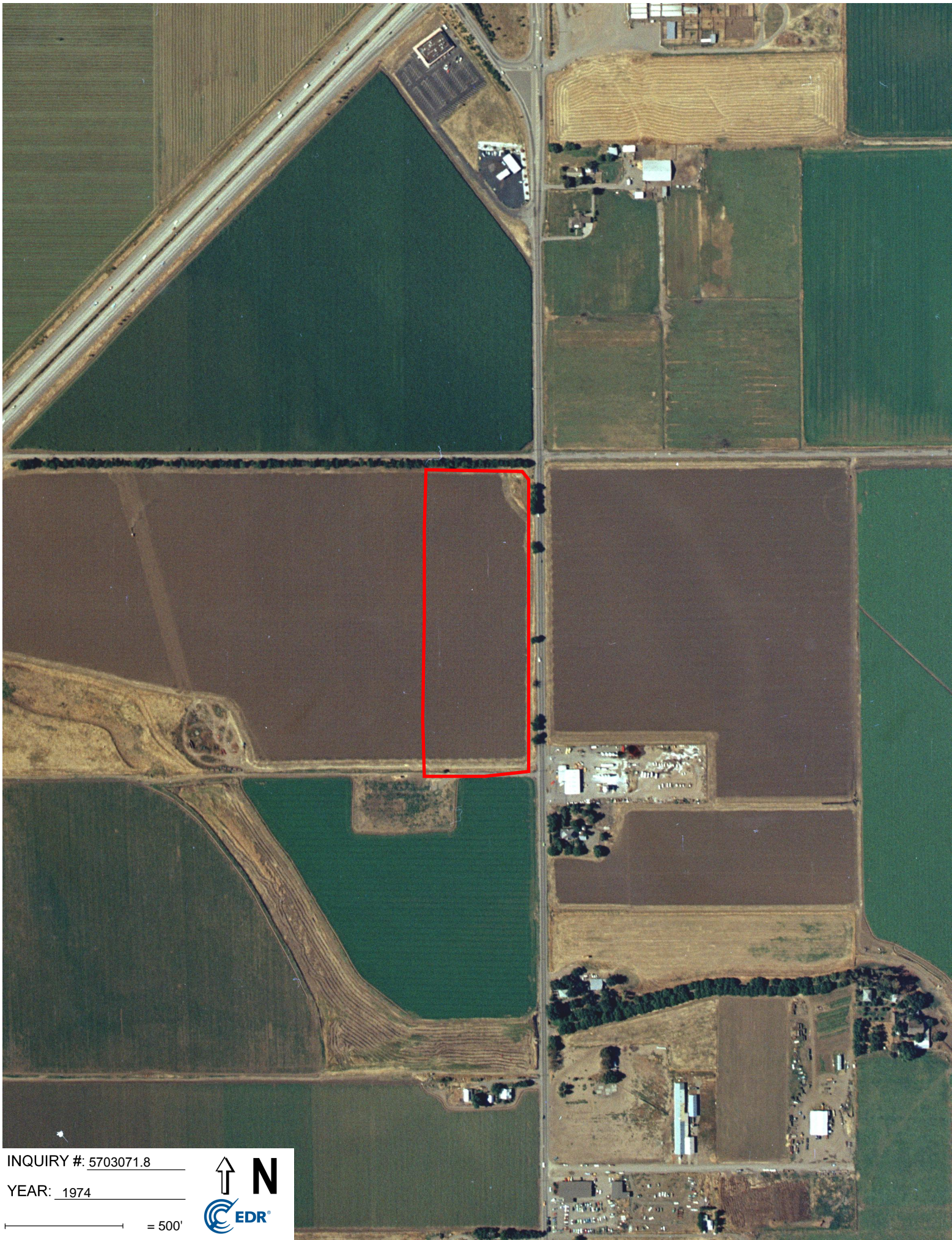


INQUIRY #: 5703071.8

YEAR: 1984

— = 500'





INQUIRY #: 5703071.8

YEAR: 1974

— = 500'



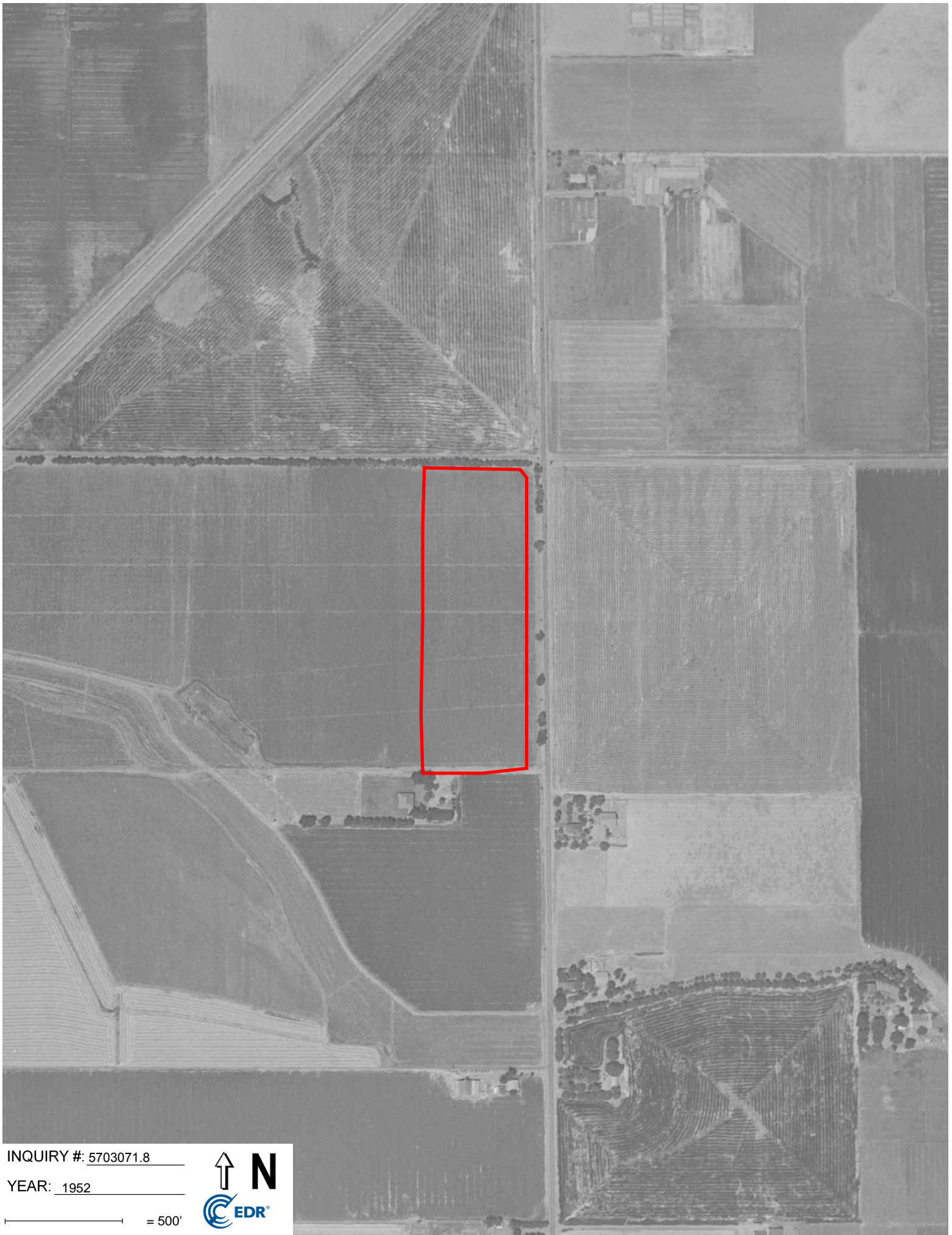


INQUIRY #: 5703071.8

YEAR: 1968

— = 500'





INQUIRY #: 5703071.8

YEAR: 1952

— = 500'





INQUIRY #: 5703071.8

YEAR: 1937

— = 500'





Issuing Policies of Chicago Title Insurance Company

Order No.: 36301390-363-LB-KD

Title Officer: Kevin Davis

TO:

Escrow Officer: Laurie Balding-Smith

Duffel Financial and Construction Company, a  
California Corporation  
c/o Hansen Bridgett, LLP, 100 4th St., Suite 700  
San Rafael, CA 94901

1676 N. California Blvd., Suite 117  
Walnut Creek, CA 94596  
(925) 288-8300  
(925) 287-8007

ATTN: **.J. Dennis McQuaid**

YOUR REFERENCE:

**PROPERTY ADDRESS:** Vacant Land, [APN: 0108-110-450 & 0108-110-460, Dixon, CA](#)

**PRELIMINARY REPORT – UPDATE “C”**

*In response to the application for a policy of title insurance referenced herein, **Chicago Title 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 herein or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations or Conditions 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 Attachment One. 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 Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.*

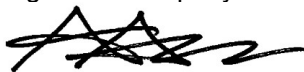
*This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.*

*The policy(s) of title insurance to be issued hereunder will be policy(s) of Chicago Title Insurance Company, a Florida Corporation.*


**Please read the exceptions shown or referred to herein and the exceptions and exclusions set forth in Attachment One 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.**

Chicago Title Company

By:   
Authorized Signature



By:   
Randy Quirk, President

Attest:   
Michael Gravelle, Secretary



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**PRELIMINARY REPORT – UPDATE “C”**

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**EFFECTIVE DATE:**                    **May 16, 2019 at 7:30 a.m.**

**ORDER NO.:** **36301390-363-LB-KD**

The form of policy or policies of title insurance contemplated by this report is:

**CLTA Standard Coverage Policy (04-08-14)**  
**ALTA Extended Loan Policy (6-17-06)**

1. THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

**A Fee as to Parcel One and an Easement as to Parcel Two**

2. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS [VESTED IN:](#)

**Duffel Financial and Construction Company, a California Corporation**

3. THE LAND REFERRED TO IN THIS REPORT IS DESCRIBED AS FOLLOWS:

**See Exhibit A attached hereto and made a part hereof.**



**EXHIBIT A**  
**LEGAL DESCRIPTION**

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF DIXON, IN THE COUNTY OF SOLANO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL ONE:

PARCELS B AND C, AS SHOWN ON THAT CERTAIN PARCEL MAP RECORDED APRIL 2, 1996 IN [BOOK 39 OF PARCEL MAPS AT PAGE 88](#), SOLANO COUNTY RECORDS.

PARCEL TWO:

A NON-EXCLUSIVE RECIPROCAL EASEMENT FOR INGRESS AND EGRESS OVER A PORTION OF PARCEL 4, AS SHOWN ON THE PARCEL MAP FILED IN [BOOK 41 OF PARCEL MAPS, PAGE 92](#), SOLANO COUNTY RECORDS, AS GRANTED IN THAT CERTAIN DOCUMENT ENTITLED: "DECLARATION OF INGRESS AND EGRESS RESTRICTION", DATED MARCH 2003, EXECUTED BY DEPENDABLE SHEET METAL AND HAROLD AND ROLYNE WIEGAND, RECORDED AUGUST 15, 2003, [INSTRUMENT NO. 2003-00136320](#), SOLANO COUNTY RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST NORTHEASTERLY CORNER OF SAID PARCEL 4, SAID POINT BEING ON THE WESTERLY LINE OF THE NORTH FIRST STREET, AS SHOWN ON SAID PARCEL MAP; THENCE SOUTHERLY ALONG SAID NORTH FIRST STREET AND THE EASTERLY LINE OF SAID PARCEL 4, SOUTH 0° 09' 16" WEST, 15.00 FEET; THENCE LEAVING SAID WESTERLY LINE OF NORTH FIRST STREET, NORTH 89° 27' 12" WEST, 240.90 FEET; THENCE NORTHERLY NORTH 0° 32' 48" East, 15.00 FEET TO A POINT ON THE NORTHERLY LINE OF SAID PARCEL 4; THENCE EASTERLY ALONG THE NORTHERLY LINE OF PARCEL 4, SOUTH 89° 27' 12" EAST, 241.00 FEET TO THE POINT OF BEGINNING.

[APN NOS.: 108-110-450 AND 108-110-460](#)

### EXCEPTIONS

**AT THE DATE HEREOF, ITEMS TO BE CONSIDERED AND EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM WOULD BE AS FOLLOWS:**

- 1. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2019-2020.
- 2. Intentionally deleted
- 3. Intentionally deleted
- 4. Prior to close of escrow, please contact the Tax Collector's Office to confirm all amounts owing, including current fiscal year taxes, supplemental taxes, escaped assessments and any delinquencies.
- 5. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.
- 6. The herein described property lies within the boundaries of a Mello-Roos Community Facilities District (CFD) as follows:

CFD No: 1  
 For: Dixon Unified School District Community Facilities District No. 1  
 Disclosed by: Notice of Special Tax

This property, along with all other parcels in the CFD, is liable for an annual special tax. This special tax is included with and payable with the general property taxes of the City of Dixon, County of Solano. The tax may not be prepaid.

- 7. Taxes and assessments levied by the Solano Irrigation District.
- 8. An assessment by the improvement district shown below:

Series: N. First Street AD  
 District: Dixon  
 For: North First St ASMT District  
 Bond issued: July 1, 1995

Said assessment is collected with the county/city property taxes.

Affects: Said land

- 9. Notice of Intent to Remove Delinquent Special Tax Installments from Tax Roll

Executed by: Joan Michaels Aguilar, Deputy City Manager-Admin Services, City of Dixon  
 Dated: April 20, 2016  
 Recording Date: April 20, 2016  
 Recording No.: [201600031214, of Official Records](#)

For questions concerning the delinquent assessment installment amounts, if any, covered by this notice, contact:

Sara Mares, NBS 32605 Temecula Parkway, Suite 100, Temecula, CA 92592 (951) 296-1997

**EXCEPTIONS  
(Continued)**

- 10. Notice of Intent to Remove Delinquent Special Tax Installments from Tax Roll

Executed by: Joan Michaels Aguilar, Deputy City Manager-Admin Services, City of Dixon  
Dated: February 1, 2017  
Recording Date: February 2, 2017  
[Recording No.:](#) [201700010852, of Official Records](#)

For questions concerning the delinquent assessment installment amounts, if any, covered by this notice, contact:

Sara Mares, NBS 32605 Temecula Parkway, Suite 100, Temecula, CA 92592 (951) 296-1997.

- 11. Intentionally deleted

- 12. Intentionally deleted

- 13. Matters contained in that certain document

Entitled: Agreement  
Dated: April 22, 1982  
Executed by: Harold Wiegand and Rolyne Wiegand and Solano Irrigation District  
Recording Date: June 3, 1982  
Recording No: 20063, [Book 1982, Page 35256, of Official Records](#)

Reference is hereby made to said document for full particulars.

- 14. A notice that said Land is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the redevelopment plan) as disclosed by a document

Recording Date: September 22, 1986  
Recording No: 75189, [Book 1986, Page 154768, of Official Records](#)  
Redevelopment Agency: Redevelopment Agency of the City of Dixon

- 15. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: City of Dixon  
Purpose: Public Service and Pedestrian easement  
Recording Date: July 7, 1993  
[Recording No.:](#) [1993-00061621, of Official Records](#)  
Affects: Northerly and Easterly 10 feet

- 16. Easement(s) for the purpose(s) shown below and rights incidental thereto as delineated or as offered for dedication, on the map of said tract/plat;

Purpose: Public Service  
Affects: Portions of the premises

- 17. Relinquishment of abutters rights of access to and from North First Street-Highway 113, as shown on the filed map of said land.

Affects: Easterly boundary

**EXCEPTIONS  
(Continued)**

18. Matters contained in that certain document

Entitled: Subdivision Improvement Agreement  
Dated: March 27, 1996  
Executed by: City of Dixon and Harold and Rolyne Wiegand  
Recording Date: April 2, 1996  
[Recording No: 1996-00021502, of Official Records](#)

Reference is hereby made to said document for full particulars.

19. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: Dependable Sheet Metal  
Purpose: Ingress and Egress  
Recording Date: August 15, 203  
[Recording No: 200300136320, of Official Records](#)  
Affects: Southerly portion of Parcel C

Reference is hereby made to said document for full particulars.

20. Matters contained in that certain document

Entitled: Declaration of Ingress and Egress Restriction  
Dated: March, 2003  
Executed by: Dependable Sheet Metal and Harold and Rolyne Wiegand  
Recording Date: August 15, 2003  
[Recording No: 200300136320, of Official Records](#)

Reference is hereby made to said document for full particulars.

21. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

22. Matters which may be disclosed by an inspection and/or by a correct ALTA/NSPS Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.

23. The Company will require that an Owner's Affidavit be completed by the party(s) named below before the issuance of any policy of title insurance.

Party(s): Duffel Financial and Construction Company, a California Corporation

The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit.

**EXCEPTIONS  
(Continued)**

24. The search did not disclose any open mortgages or deeds of trust of record, therefore the Company reserves the right to require further evidence to confirm that the property is unencumbered, and further reserves the right to make additional requirements or add additional items or exceptions upon receipt of the requested evidence.

25. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance by the corporation named below:

Name of Corporation: Duffel Financial and Construction Company, a California Corporation

- a) A Copy of the corporation By-laws and Articles of Incorporation
- b) An original or certified copy of a resolution authorizing the transaction contemplated herein
- c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

26. The transaction contemplated in connection with this Report is subject to the review and approval of the Company's Corporate Underwriting Department. The Company reserves the right to add additional items or make further requirements after such review.

27. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance by the corporation named below:

Name of Corporation: Lewis Management Corp., a Delaware corporation

- a) A Copy of the corporation By-laws and Articles of Incorporation
- b) An original or certified copy of a resolution authorizing the transaction contemplated herein
- c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

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**END OF EXCEPTIONS**

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## NOTES

1. None of the items shown in this report will cause the Company to decline to attach ALTA Endorsement Form 9 to an Extended Coverage Loan Policy, when issued.
2. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:
 

Code Area:	002017
<u>Tax Identification No.:</u>	<a href="#">0108-110-450</a>
Fiscal Year:	2018-2019
1st Installment:	\$6,836.46, Paid
2nd Installment:	\$6,836.46, Paid
Land:	\$619,485.00
Bill No.:	10811045001
Affects: Parcel B	
3. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:
 

Code Area:	002017
<u>Tax Identification No.:</u>	<a href="#">0108-110-460</a>
Fiscal Year:	2018-2019
1st Installment:	\$8,689.94, Paid
2nd Installment:	\$8,689.94, Paid
Land:	\$786,478.00
Bill No.:	10811046001
Affects: Parcel C	
4. Note: The name(s) of the proposed insured(s) furnished with this application for title insurance is/are:  
 Name(s) furnished: Lewis Management Corp., a Delaware corporation  
  
 If these name(s) are incorrect, incomplete or misspelled, please notify the Company.
5. Note: There are NO conveyances affecting said Land recorded within 24 months of the date of this report.
6. Note: The charge for a policy of title insurance, when issued through this title order, will be based on the Basic Title Insurance Rate.
7. The application for title insurance was placed by reference to only a street address or tax identification number. The proposed Insured must confirm that the legal description in this report covers the parcel(s) of Land requested to be insured. If the legal description is incorrect, the proposed Insured must notify the Company and/or the settlement company in order to prevent errors and to be certain that the legal description for the intended parcel(s) of Land will appear on any documents to be recorded in connection with this transaction and on the policy of title insurance.
8. Note: If a county recorder, title insurance company, escrow company, real estate broker, real estate agent or association provides a copy of a declaration, governing document or deed to any person, California law requires that the document provided shall include a statement regarding any unlawful restrictions. Said statement is to be in at least 14-point bold face type and may be stamped on the first page of any document provided or included as a cover page attached to the requested document. Should a party to this transaction request a copy of any document reported herein that fits this category, the statement is to be included in the manner described.

**NOTES**  
**(Continued)**

9. Note: Any documents being executed in conjunction with this transaction must be signed in the presence of an authorized Company employee, an authorized employee of an agent, an authorized employee of the insured lender, or by using Bancserv or other approved third-party service. If the above requirement cannot be met, please call the Company at the number provided in this report.
10. Note: The policy of title insurance will include an arbitration provision. The Company or the insured may demand arbitration. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. Please ask your escrow or title officer for a sample copy of the policy to be issued if you wish to review the arbitration provisions and any other provisions pertaining to your Title Insurance coverage.
11. Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.
12. Pursuant to Government Code Section 27388.1, as amended and effective as of 1-1-2018, a Documentary Transfer Tax (DTT) Affidavit may be required to be completed and submitted with each document when DTT is being paid or when an exemption is being claimed from paying the tax. If a governmental agency is a party to the document, the form will not be required. DTT Affidavits may be available at a Tax Assessor-County Clerk-Recorder.
13. Due to the special requirements of SB 50 (California Public Resources Code Section 8560 et seq.), any transaction that includes the conveyance of title by an agency of the United States must be approved in advance by the Company's State Counsel, Regional Counsel, or one of their designees.

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**END OF NOTES**

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Kevin Davis/mv

## Wire Fraud Alert

This Notice is not intended to provide legal or professional advice. If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. DO NOT use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the phone number of relevant parties to the transaction as soon as an escrow account is opened.** DO NOT send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do NOT reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

**Federal Bureau of Investigation:**  
<http://www.fbi.gov>

**Internet Crime Complaint Center:**  
<http://www.ic3.gov>



# FIDELITY NATIONAL FINANCIAL, INC. PRIVACY NOTICE

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, “FNF,” “our,” or “we”) respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

## Types of Information Collected

We may collect two types of information from you: Personal Information and Browsing Information.

Personal Information. FNF may collect the following categories of Personal Information:

- contact information (e.g., name, address, phone number, email address);
- demographic information (e.g., date of birth, gender, marital status);
- identity information (e.g., Social Security Number, driver’s license, passport, or other government ID number);
- financial account information (e.g., loan or bank account information); and
- other personal information necessary to provide products or services to you.

Browsing Information. FNF may automatically collect the following types of Browsing Information when you access an FNF website, online service, or application (each an “FNF Website”) from your Internet browser, computer, and/or mobile device:

- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website

## How Personal Information is Collected

We may collect Personal Information about you from:

- information we receive from you on applications or other forms;
- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

## How Browsing Information is Collected

If you visit or use an FNF Website, Browsing Information may be collected during your visit. Like most websites, our servers automatically log each visitor to the FNF Website and may collect the Browsing Information described above. We use Browsing Information for system administration, troubleshooting, fraud investigation, and to improve our websites. Browsing Information generally does not reveal anything personal about you, though if you have created a user account for an FNF Website and are logged into that account, the FNF Website may be able to link certain browsing activity to your user account.

## Other Online Specifics

Cookies. When you visit an FNF Website, a “cookie” may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer’s hard drive. Information gathered using cookies helps us improve your user experience. For example, a cookie can help the website load properly or can customize the display page based on your browser type and user preferences. You can choose whether or not to accept cookies by changing your Internet browser settings. Be aware that doing so may impair or limit some functionality of the FNF Website.

Web Beacons. We use web beacons to determine when and how many times a page has been viewed. This information is used to improve our websites.

Do Not Track. Currently our FNF Websites do not respond to “Do Not Track” features enabled through your browser.

Links to Other Sites. FNF Websites may contain links to other websites. FNF is not responsible for the privacy practices or the content of any of those other websites. We advise you to read the privacy policy of every website you visit.

## Use of Personal Information

FNF uses Personal Information for three main purposes:

- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you about our, our affiliates’, and third parties’ products and services, jointly or independently.

## When Information Is Disclosed

We may make disclosures of your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;
- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or

- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of bankruptcy, reorganization, insolvency, receivership, or an assignment for the benefit of creditors. By submitting Personal Information and/or Browsing Information to FNF, you expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings.

Please see **“Choices With Your Information”** to learn the disclosures you can restrict.

### **Security of Your Information**

We maintain physical, electronic, and procedural safeguards to guard your Personal Information. We limit access to nonpublic personal information about you to employees who need to know that information to do their job. When we provide Personal Information to others as discussed in this Privacy Notice, we expect that they process such information in compliance with our Privacy Notice and in compliance with applicable privacy laws.

### **Choices With Your Information**

If you do not want FNF to share your information with our affiliates to directly market to you, you may send an “opt out” request by email, phone, or physical mail as directed at the end of this Privacy Notice. We do not share your Personal Information with nonaffiliates for their use to direct market to you.

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you.

For California Residents: We will not share your Personal Information and Browsing Information with nonaffiliated third parties, except as permitted by California law.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 934-3354 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.

For Oregon Residents: We will not share your Personal Information and Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not share information about your creditworthiness to our affiliates and will not disclose your personal information, financial information, credit report, or health information to nonaffiliated third parties to market to you, other than as permitted by Vermont law, unless you authorize us to make those disclosures.

### **Information From Children**

The FNF Websites are meant for adults and are not intended or designed to attract persons under the age of eighteen (18). We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

### **International Users**

FNF’s headquarters is located within the United States. If you reside outside the United States and choose to provide Personal Information or Browsing Information to us, please note that we may transfer that information outside of your country of residence for any of the purposes described in this Privacy Notice. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection, transfer, and use of such information in accordance with this Privacy Notice.

### **FNF Website Services for Mortgage Loans**

Certain FNF companies provide services to mortgage loan servicers, including hosting websites that collect customer information on behalf of mortgage loan servicers (the “Service Websites”). The Service Websites may contain links to both this Privacy Notice and the mortgage loan servicer or lender’s privacy notice. The sections of this Privacy Notice titled When Information is Disclosed, Choices with Your Information, and Accessing and Correcting Information do not apply to the Service Websites. The mortgage loan servicer or lender’s privacy notice governs use, disclosure, and access to your Personal Information. FNF does not share Personal Information collected through the Service Websites, except (1) as required or authorized by contract with the mortgage loan servicer or lender, or (2) as required by law or in the good-faith belief that such disclosure is necessary to comply with a legal process or applicable law, to enforce this Privacy Notice, or to protect the rights, property, or safety of FNF or the public.

**Your Consent To This Privacy Notice; Notice Changes**

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information in accordance with this Privacy Notice. We may change this Privacy Notice at any time. The revised Privacy Notice, showing the new revision date, will be posted on the FNF Website. Each time you provide information to us following any amendment of this Privacy Notice, your provision of information to us will signify your assent to and acceptance of the terms of the revised Privacy Notice for all previously collected information and information collected from you in the future. We may use comments, information or feedback that you submit to us in any manner that we may choose without notice or compensation to you.

**Accessing and Correcting Information; Contact Us**

If you have questions, would like to access or correct your Personal Information, or want to opt-out of information sharing for affiliate marketing, send your requests via email to [privacy@fnf.com](mailto:privacy@fnf.com), by phone to (888) 934-3354, or by mail to:

Fidelity National Financial, Inc.  
601 Riverside Avenue  
Jacksonville, Florida 32204  
Attn: Chief Privacy Officer

## Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the field rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for each discount. These discounts only apply to transaction involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

### **FNF Underwritten Title Company**

FNTC - Chicago Title Company  
FNTCCA –Fidelity National Title Company of California

### **FNF Underwriter**

CTIC - Chicago Title Insurance Company

### **Available Discounts**

#### **CREDIT FOR PRELIMINARY REPORTS AND/OR COMMITMENTS ON SUBSEQUENT POLICIES (CTIC)**

Where no major change in the title has occurred since the issuance of the original report or commitment, the order may be reopened within 12 or 36 months and all or a portion of the charge previously paid for the report or commitment may be credited on a subsequent policy charge.

#### **DISASTER LOANS (CTIC)**

The charge for a lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within 24 months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be 50% of the appropriate title insurance rate.

#### **CHURCHES OR CHARITABLE NON-PROFIT ORGANIZATIONS (CTIC)**

On properties used as a church or for charitable purposes within the scope of the normal activities of such entities, provided said charge is normally the church's obligation the charge for an owner's policy shall be 50% to 70% of the appropriate title insurance rate, depending on the type of coverage selected. The charge for a lender's policy shall be 40% to 50% of the appropriate title insurance rate, depending on the type of coverage selected.

## ATTACHMENT ONE

### CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY – 1990

#### EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
  - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
  - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
  - (c) resulting in no loss or damage to the insured claimant;
  - (d) attaching or created subsequent to Date of Policy; or
  - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

#### EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.  
Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

### CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13) ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

#### 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:	1.00% % of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$ 10,000.00
Covered Risk 18:	1.00% % of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$ 25,000.00
Covered Risk 19:	1.00% of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$ 25,000.00
Covered Risk 21:	1.00% of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$ 5,000.00

#### 2006 ALTA LOAN POLICY (06-17-06)

#### EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
  - (i) the occupancy, use, or enjoyment of the Land;
  - (ii) the character, dimensions, or location of any improvement erected on the Land;
  - (iii) the subdivision of land; or
  - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
  - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
  - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
  - (c) resulting in no loss or damage to the Insured Claimant;
  - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
  - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.

6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
  - (a) a fraudulent conveyance or fraudulent transfer, or
  - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

**EXCEPTIONS FROM COVERAGE**

(Except as provided in Schedule B - Part II, (t or T)his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

**(PART I**

(The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

**PART II**

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:)

**2006 ALTA OWNER'S POLICY (06-17-06)**

**EXCLUSIONS FROM COVERAGE**

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
  - (i) the occupancy, use, or enjoyment of the Land;
  - (ii) the character, dimensions, or location of any improvement erected on the Land;
  - (iii) the subdivision of land; or
  - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
  - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
  - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
  - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
  - (c) resulting in no loss or damage to the Insured Claimant;
  - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
  - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
  - (a) a fraudulent conveyance or fraudulent transfer; or
  - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

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 in 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 that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.
7. (Variable exceptions such as taxes, easements, CC&R's, etc. shown here.)

### **ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (12-02-13)**

#### **EXCLUSIONS FROM COVERAGE**

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
  - (i) the occupancy, use, or enjoyment of the Land;
  - (ii) the character, dimensions, or location of any improvement erected on the Land;
  - (iii) the subdivision of land; or
  - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
  - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
  - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
  - (c) resulting in no loss or damage to the Insured Claimant;
  - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
  - (e) resulting in loss or damage 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.





Photograph No. 1: West facing view through the central area of the Site.



Photograph No. 2: South facing view along the western Site boundary.



Photography No. 3: North facing view along the eastern Site boundary.



Photograph No. 4: East facing view along the northern Site boundary.

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## Bryan C. Yates, AICP, QSD

Program Manager  
5012 Luce Avenue, Suite 103  
McClellan, CA 95652  
Cell: 916-417-8818  
Bryan.Yates@tetrattech.com

### QUALIFICATIONS

Bryan Yates is a Program Manager with a Bachelor of Science degree in Business Administration with 20+ years experience in the professional services industry. During this time, Mr. Yates has managed projects dealing with multiple aspects of private and public development including master-planned communities, residential subdivisions, schools, churches, commercial properties, and light industrial facilities. Bryan meets the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and has the “specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting” of any site

At Tetra Tech, Mr. Yates provides responsible charge, project management for multiple disciplines within the water management, environmental, civil, and site planning disciplines, including specializations such as:

- Stormwater Pollution Prevention Plans
- Municipal Stormwater Management
- Planning/Permitting
- Environmental Site Assessments
- Geotechnical Feasibility Studies
- Construction Management
- Land Development Consultation
- Land Development Constraints Analysis
- Political Consulting/Public Agency Interaction

### EXPERIENCE SUMMARY

Since 1998 Mr. Yates has worked on a wide variety of projects throughout California and Nevada. These projects include but are not limited to: large master planned communities, specific plans, brownfield/redevelopment sites, land disposal sites, transportation/transit projects, educational facilities, mitigation banks, former mine sites, and housing subdivisions.

Work on these projects have included completion of phase one environmental site assessments, phase II site investigations, remedial oversight, underground storage tank removals, brownfield assessments, groundwater monitoring, waste discharge permitting/monitoring, and air permitting. Additionally, Mr. Yates has obtained broad experience within the field of stormwater. This experience includes construction and industrial SWPPPs as well as managed the routine monitoring, sampling, and reporting. Mr. Yates has also prepared and assisted with the preparation of multiple municipal stormwater management plans/programs.

The studies completed by Mr. Yates have routinely been utilized as the underlying technical studies associated CEQA/NEPA sections for soil/geology, mineral resources, water quality/water supply, and hazards/hazardous materials. Studies in these areas have included projects such as bike trails, roadway widening

#### Education:

B.S. Business Administration/ Operations Management, 2000 - California State University, Sacramento

Certificate in Land Use and Environmental Planning, 2008 UC Davis

#### Certifications:

American Institute of Certified Planners (AICP) #188463

Certified Professional in Erosion and Sediment Control (CPESC) #3824

Qualified SWPPP Developer & Practitioner (QSD/QSP), California # 21052

40 Hour Hazardous Waste Operations Certificate

#### Office:

McClellan, California

#### Years of Experience:

20+

#### Years with Tetra Tech:

<1

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## **Bryan C. Yates, AICP, QSD**

Program Manager  
5012 Luce Avenue, Suite 103  
McClellan, CA 95652  
Cell: 916-417-8818  
[Bryan.Yates@tetrattech.com](mailto:Bryan.Yates@tetrattech.com)

projects, grade separations, housing programs, bridges, flood management facilities, water/waste water treatment plants, and transportation management systems.

### **RELEVANT PROJECT EXPERIENCE**

#### **Former Waste Water Treatment Plant Facility, Lincoln, CA**

This 193-acre site located on Waverly Drive and along the south side of Nicolaus Road in the western area of the City of Lincoln was utilized as the City of Lincoln Waste Water Treatment Plant between 1975 and 2004. Between 2004 through the time of our initial involvement (Fall 2013), the “Wet Well” portion of the former waste water treatment plant was still on line and being utilized as a pump station sending sanitary sewer waste from the northwest Lincoln approximately five miles south to the new Lincoln Waste Water Treatment Facility.

The former Waste Water Treatment Plant was a tertiary treatment facility that utilized on site land application areas to dispose of a significant quantity of the treated effluent. The balance of the treated effluent was disposed of off-site within additional land application areas.

Waste water treatment operations within the site ceased in 2004. In 2005 and 2006, the remaining sludge within the treatment ponds was treated and removed by a licensed sludge recycler. The sludge was “land applied” to the permitted Sylva Ranch facility on Twin Cities Road in Sacramento County, California. In 20012, the western portion of the former Waste Water Treatment Plant was utilized as a borrow site for fill material utilized in the construction of the State Route 65 bypass project south of the site. The quantity of soil removed from the site is estimated to be more than 500,000 cubic yards.

Mr. Yates involvement initially included the completion of a Phase I Environmental Site Assessment for the developer that was in contract to purchase the site from the City of Lincoln. During the initial stages of completion of the Phase I Environmental Site Assessment, it became evident that the Waste Discharge Requirement Orders for the former waste water treatment plant had not been rescinded and that no analytical data was available as to the presence or lack thereof of constituents in shallow soil associated with the former site activities.

Subsequently, Mr. Yates completed a Phase II Investigation of the shallow soil under the former treatment ponds and within the former land application sites within the former waste water treatment plant. The investigation included analysis for California Assessment Manual metals (CAM 17), nitrates, nitrites, Total Kjeldahl Nitrogen, Hexavalent chromium, and oil/grease.

Mr. Yates additional activities included providing technical assistance throughout the effort to rescind the Waste Discharge Requirement Orders for the former waste water treatment plant through the Central Valley Regional Water Quality Control Board and getting the site cleared for unrestricted land use.

#### **Mather South, Rancho Cordova, CA**

This 885-acre site is located within the southeastern area of the 5,200-acre former Mather Field Air Force Base. The site is the former location of the nuclear weapons bunkers associated with former Strategic Air Command located within Mather Field Air Force Base. The site additionally housed underground fuel storage tanks, small arms ranges, a celestial navigation training course, a mortar target range, and grenade practice range, and a

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**Bryan C. Yates, AICP, QSD**

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munitions burn/disposal pit. Mr. Yates completed the site investigation associated within these past uses. The proposed site uses include 478 acres of low density residences, 69 acres of commercial/office space, 179 acres of recreational uses with the balance being used for public/quasi-public uses.

**The Creamery, Sacramento, CA**

This site has been developed since 1895 and is planned for re-development as medium/high density residential. Crystal Cream and Butter operated on the site between 1912 and 2008. Thirteen underground fuel storage tanks and prior demolition activities were found to have impacted the soil and groundwater beneath the site. After removal of the impacted soils and the completion of the Screening-Level Vapor Intrusion Risk Assessment, the site was recommended for closure by the Sacramento County Environmental Management Department. Mr. Yates completed the monitoring well abandonment workplan, the soil and water management plan, coordinated monitoring well abandonment activities, and submitted the request for closure. Complicating this process was the proximity of the monitoring wells to critical utilities such as fiber optic lines. Additionally, Mr. Yates complete a soil investigation and removal project driven by lead impacts in shallow soil. The site achieved regulatory closure in June of 2014.

**Transcan/Hillcrest Area Specific Plan, Antioch, CA**

Mr. Yates completed a modified phase environmental site assessment in support of the initial planning land acquisition activities for this proposed 375-acre transit oriented development. Additionally, Mr. Yates assisted the project proponent in the opportunities and constraints analysis for the project. This project is a large infill project located within the City of Antioch along the planned eBART extension through Contra Costa County connecting to the Pittsburg/Bay Point Line. The project is planned for a multi-facetted transit oriented development with a town center, 2,500 high density residential units, and no single-family residences. Initial planning was complicated by a mix of historic agriculture and industrial uses that will be mitigated throughout the development process.

**Solano County Fairgrounds Redevelopment, Vallejo, CA**

Mr. Yates completed a modified phase environmental site assessment and assisted in the geotechnical investigation in support of the initial planning phase of the proposed redevelopment of this 180-acre existing county fairgrounds site. Large areas of undocumented fill, underground fuel storage tanks, animal disposal pits, lead/asbestos, PCBs, and animal waste in shallow groundwater were all issues identified in the initial phases of the assessment.

**Northeast Fairfield Specific Plan, Fairfield, CA**

Mr. Yates completed a hazardous materials assessment geotechnical feasibility study for this large master planned community. This project included the development of previously undeveloped land, the redevelopment of the Cement Hill industrial area, a transit village with Capitol Corridor service, a railroad grade separation, and redevelopment of former railroad facilities. The planned uses included more than 6,000 single family residences, an employment center, retail, warehouse, and commercial.

**Horizons @ New Rancho, Rancho Cordova, CA**

Mr. Yates completed a Phase One Environmental Site Assessment with a Tier 1 Vapor Encroachment Screening on this 1.07-acre redevelopment site along Folsom Boulevard in Rancho Cordova, California. This redevelopment site is planned for reuse as a multi-family low income housing development. This work was

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**Bryan C. Yates, AICP, QSD**

Program Manager  
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completed for the City of Rancho Cordova and their Successor Agency to the Redevelopment Agency in support of their grant application to the United States Department of Housing and Urban Development.

**Church Street Subdivision, Half Moon Bay, CA**

Mr. Yates completed several technical studies in support of the environmental planning and permitting of this residential infill project located within Half Moon Bay, California. Mr. Yates completed a modified Phase One Environmental Site Assessment that included soils sampling and analysis, preliminary drainage study, and assisted in the completion of the geotechnical feasibility study. The environmental sampling was completed as a screening tool to assess the potential for remnant pesticides located within the near surface soil of the site. The preliminary drainage study was complicated by dense riparian vegetation along the banks of Pilarcitos Creek, floodplane issues, and the potential need to expand the stream capacity to accommodate for the potential of an upstream earthen dam failure.

**Triangle Area Infill Mixed Use Development, West Sacramento, CA**

Mr. Yates assisted in the preliminary geotechnical design services for two separate projects on nearby but discontinuous sites in West Sacramento, California. The two sites are controlled by different developers and are separate distinct projects but were investigated concurrently for preliminary geotechnical design purposes. The primary geotechnical design concerns for both sites were relatively soft/loose thick alluvial soil deposits and the effects of seismic shaking on the alluvial soil. Mr. Yates assistance included summarizing the proposed improvements, review of existing and area documents, summarizing the geologic setting, and summarizing both generalized soil and groundwater conditions.

**Stockton Waterfront Project, Stockton, CA**

Mr. Yates was Project Manager for the approximately 70-acre designated Brownfield site. This site was the location of the Colberg Boat Works that had historically been used to build and repair mine sweeping ships during World War II and more recently had been utilized for a variety of industrial activities. Mr. Yates completed the Phase One Environmental Site Assessment and coordinated the geotechnical investigation for this complex waterfront project. The project will encompass 69 single-family, waterfront residences with internal streets, underground utilities, landscaping, and clubhouse.

**Capital Village Development, Rancho Cordova, CA**

Mr. Yates completed a Phase One and Two Environmental Site Assessments for Beazer Homes' proposed 117-acre Capital Village infill development. This project is proposed to include approximately 1,000 homes, a shopping center, parks and multi-use/office areas. Challenging site conditions included a history of dredge mining and more recent site leveling made site conditions difficult for the Phase Two ESA completed to assess for the potential of remnant mercury remaining within the near surface soil of the property.

**M&G Street Bridges Repair, Merced, CA**

Mr. Yates was Project Manager for this project conducting an Initial Site Assessment in general conformance with California Department of Transportation Standard Environmental Reference. The study area included the proposed rehabilitation, widening, striping, turn lane, drainage, bridge/structural, and bike lane improvements to the M Street and G Street bridges over Bear Creek in the City of Merced, Merced County, California. This study was completed in support of project NEPA/CEQA environmental documentation and well as the preliminary phases of project design.

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**Synagro West Land Application Sites, Solano County and Sacramento County, California**

Mr. Yates completed the 2015 annual soil monitoring at three separate land disposal facilities utilized for the disposal of biosolid wastes derived from municipal waste water treatment plants located throughout northern and central California. The three facilities monitored in 2015 included the Emigh Souza Ranch, Silva Ranch I, and Silva Ranch II Properties located in both Sacramento and Solano Counties. These facilities are privately held ranches maintaining land application agreements with Synagro West, Inc. The monitoring which was comprised of sample collection (two depths), laboratory analysis, and data reporting is required by the California Central Valley Regional Water Quality Control Board (CVRWQCB) Monitoring and Reporting Program (MRP) for each of the three facilities.

Sample collection within the land application fields at each facility included utilizing a small drill rig to advance soil borings at 24 separate locations to a maximum depth of six feet below the ground surface. Soil samples were collected at two intervals at each of the designated sample locations. As required within the MRP, each sample was first described using the Unified Soil Classification System and reference the corresponding United States Department of Agriculture Soil classification. The MRP required that the soil samples collected be analyzed as follows: total solids, total alkalinity, cation exchange capacity, electrical conductivity, chlorite by the California Waste Extraction Test using deionized water (DIWET), iron and manganese by the DIWET, and pH.

Mr. Yates prepared a separate report for each of the three facilities summarizing the work completed and presenting the laboratory data. Additionally, Mr. Yates provided the GIS files for the sample locations to assist Synagro West, Inc. in managing the data from each of their facilities going forward.

**North Spring Street Bridge Widening Project, Los Angeles, CA**

Mr. Yates was the Project Manager for this project, evaluating, addressing, and responding to the Department of Transportation and the City of Los Angeles concerns raised over the hazardous materials impacts by the proposed project during the NEPA/CEQA environmental documentation process. The proposed project would widen the existing 50-foot-wide viaduct by approximately 20 feet on each side, resulting in a 90-foot-wide by 700-foot-long viaduct extending northeasterly from Aurora Street on the southwest to approximately 500 feet west of South Avenue 18 in the City and County of Los Angeles. One eastbound left-turn pocket lane would be added to the existing four-lane (two in each direction plus eastbound pocket) bridge configuration to match the existing five-point conjunction of North Spring Street, North Broadway Street, and South Avenue 18. As a result of the initial evaluation, the Department of Transportation requested, and Bryan completed, an Initial Site Assessment in general conformance with Caltrans Standard Environmental Reference.

The proposed project would also close the existing unsafe intersection of Aurora Street and North Spring Street, eliminate the existing unsafe triangular merger of Baker Street into North Spring Street, extend Wilhardt Street northerly through a new intersection with North Spring Street to Baker Street, create wider sidewalks on both sides of the widened Viaduct, create wider exterior lanes with shoulders suitable for shared use by cyclists, create wider interior lanes in both directions, create a 10 foot wide raised median on the North Spring Street Bridge, from approximately 90 feet east of the Viaduct's western abutment to approximately 140-feet west of the structure's eastern abutment, structurally retrofit the existing bridge to meet current seismic standards, repair approach roadways to address pavement cracking and differential settlement issues at the bridge; and install new bridge railings, approach and transition guardrails, and restored period street lights.

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## **Appendix G**

Duffel Property: Phase II Investigation

# DUFFEL PROPERTY

## PHASE II INVESTIGATION

100-MCP-T39745  
JULY 2019



**Prepared For:**

Lewis Management Corp.  
9216 Kiefer Boulevard  
Sacramento, California 95826



**Prepared By:**

Tetra Tech, Inc.  
5012 Luce Ave.  
Suite 103  
McClellan, CA 95652

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**FIGURE 2:** SAMPLE LOCATION MAP

## APPENDICES

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**APPENDIX A** — Laboratory Analytical Reports

## **ACRONYMS AND ABBREVIATIONS**

APN	Assessor's Parcel Number
bgs	below ground surface
CLS	California Laboratory Services
COC	Chain of Custody
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
ESA	Phase I Environmental Site Assessment
mg/kg	milligram(s) per kilogram
OCPs	organochlorine pesticides
OFR	Open File Report
µg/kg	microgram(s) per kilogram
USGS	United States Geological Survey

## **1.0 INTRODUCTION**

Tetra Tech completed a Phase II Investigation of the Duffel Property (hereinafter referred to as Site) located in the City of Dixon, Solano County, California.

Concurrent to this effort, a Phase I Environmental Site Assessment (ESA) is being completed for the Site (Tetra Tech 2019 *in preparation*). The initial stage of the completing the ESA, the historic agricultural uses attributed to the Site necessitated a recommendation to perform a Phase II investigation to assess the potential for persistent pesticide contaminants potentially remaining in the near surface soils of the Site, and arsenic which could pose a threat to human health of the environment. The scope of the Phase II investigation was limited to the historic agricultural uses of pesticides within the Site and in accordance with the scope and budget addendum dated 28 June 2019. This report describes the scope, methods, results, and conclusions of the associated activities.

### **1.1 SITE DESCRIPTION**

The approximately 13-acre Site is located southwest of Vaughn Road and Highway 113 in the City of Dixon, California (Figure 1). The Site is identified by Solano County Assessor's Parcel Numbers (APNs) 108-110-450 and 108-110-460.

### **1.2 SITE HISTORY AND PREVIOUS INVESTIGATIONS**

The Site history was obtained from the Phase I ESA that is being prepared concurrently with this report (Tetra Tech 2019 *in preparation*). Between 1937 and approximately 1993, the Site land use appears to have been continuously utilized for irrigated agricultural production. A review of the historic aerial photographs (Tetra Tech 2019 *draft in preparation*) found no visual evidence of orchards within the Site. By 2006, development had encroached upon the boundaries of the Site and that the agricultural uses had ceased. The development encroachment to the west, southwest, and northwest appears to be residential subdivisions with the remaining development encroachment largely appearing to be commercial/retail. Tetra Tech was provided with a 2018 Phase I ESA (AEI 2018) which similarly identified agricultural uses as the only historically significant land use within the Site.

### **1.3 SUMMARY OF FIELD ACTIVITIES**

On 1 July 2019, Tetra Tech collected twenty-eight (28) surface soil samples at the locations shown on Figure 2. A pin flag was placed and global positioning satellite (GPS) coordinates were obtained at each sample location. The samples were collected from an interval ranging from 0 to 6 inches below ground surface (bgs). Utilizing hand sampling methods (hand trowel), each soil sample was collected into a laboratory-provided eight-ounce jar that was sealed using a Teflon™-lined cap. Tetra Tech labeled each container to indicate a unique sample number, sample location, time and date collected, and sampler's identification. Samples were preserved in a chilled cooler during transportation with completed chain-of-custody (COC) forms to California Laboratory Services (CLS), in Rancho Cordova, California, a State Water Resources Control Board certified laboratory.

## 2.0 ANALYTICAL RESULTS

Tetra Tech requested that the 28 collected surface soil samples be composited by the laboratory at a 4:1 ratio for the analysis of organochlorine pesticides (OCPs) and arsenic using EPA Method 6010B (7 samples analyzed). A copy of the laboratory analytical data report and completed COC documentation is presented in Appendix A. A summary of the laboratory analytical results for OCPs is presented in Table 1 below. A summary of the laboratory analytical results for arsenic is presented in Table 2 below. Analytical results are evaluated and discussed in Section 3.0.

**Table 1**  
**Summary of Soil Analytical Results-Organochlorine Pesticides**

Sample ID	Sample Date	Sample Depth (Inches)	Organochlorine Pesticides EPA Method 8081A* (µg/kg)		
			DDE	DDT	Endosulfan II
DP-PE-0.5 (01-04)	7/1/2019	0-6	34	ND	ND
DP-PE-0.5 (05-08)	7/1/2019	0-6	63	31	ND
DP-PE-0.5 (09-12)	7/1/2019	0-6	65	28	ND
DP-PE-0.5 (13-16)	7/1/2019	0-6	56	32	ND
DP-PE-0.5 (17-20)	7/1/2019	0-6	57	43	16
DP-PE-0.5 (21-24)	7/1/2019		50	38	5.8
DP-PE-0.5 (25-28)	7/1/2019	0-6	48	ND	ND

Notes:           µg/kg   microgram(s) per kilogram  
                   ND       below the laboratory method reporting limit  
                   \*        Constituents not listed were detected below the laboratory reporting limit

**Table 2**  
**Summary of Soil Analytical Results-Arsenic**

Sample ID	Sample Date	Sample Depth (Inches)	Arsenic EPA Method 6010B (mg/kg)
DP-PE-0.5 (01-04)	7/1/2019	0-6	3.6
DP-PE-0.5 (05-08)	7/1/2019	0-6	5.3
DP-PE-0.5 (09-12)	7/1/2019	0-6	5.1
DP-PE-0.5 (13-16)	7/1/2019	0-6	5.5
DP-PE-0.5 (17-20)	7/1/2019	0-6	4.4
DP-PE-0.5 (21-24)	7/1/2019	0-6	4.8
DP-PE-0.5 (25-28)	7/1/2019	0-6	4.3

Notes: mg/kg milligram(s) per kilogram



### **3.0 DATA EVALUATION**

In 2019, the California Department of Toxic Substances Control (DTSC) implemented the revised Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note Number 3 April 2019 (DTSC 2019). Tetra Tech utilized this document to identify the appropriate residential use threshold concentrations for each of the constituents of concern. Detectable concentrations of OCPs above the laboratory reporting limits within the seven (7) composite samples were limited to Dichlorodiphenyldichloroethylene (DDE), Dichlorodiphenyltrichloroethane (DDT), and Endosulfan II. Additionally, concentrations of arsenic were detected above the laboratory reporting limit in each of the seven (7) composite samples.

Concentrations of DDE were detected above the laboratory method reporting limits in each of the seven (7) composite samples analyzed. The detected concentrations of DDE ranged from 34 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) to 65  $\mu\text{g}/\text{kg}$  which are significantly lower than the residential use threshold of 2,000  $\mu\text{g}/\text{kg}$  (DTSC 2019).

Concentrations of DDT were detected above the laboratory method reporting limits in five (5) of the seven (7) composite samples analyzed. The concentrations of DDT ranged from 28  $\mu\text{g}/\text{kg}$  to 43  $\mu\text{g}/\text{kg}$ , which are significantly lower than the residential use threshold of 1,900  $\mu\text{g}/\text{kg}$  (DTSC 2019).

Concentrations of Endosulfan II were detected above the laboratory method reporting limits in two (2) of the seven (7) composite samples analyzed. The concentrations of Endosulfan II ranged from 5.8  $\mu\text{g}/\text{kg}$  to 16  $\mu\text{g}/\text{kg}$  which are significantly lower than the residential use threshold of 450  $\mu\text{g}/\text{kg}$  (DTSC 2019).

Arsenic concentrations detected within seven (7) composite samples analyzed ranged from 3.6 mg/kg to 5.5 mg/kg with a mean concentration of 4.71 mg/kg, which exceeds the 0.11 mg/kg for residential use threshold (DTSC 2019). Arsenic is a naturally occurring metal in California soils often at concentrations above residential screening levels. As demonstrated by United States Geological Survey's (USGS) Geochemical and Mineralogical Maps for the Conterminous United States; Solano County has an average arsenic concentration of 6.0 to 7.0 mg/kg (USGS, 2014). Therefore, the arsenic concentrations reported within soils at the Site are consistent with natural background concentrations.

### **3.1 CONCLUSIONS**

Tetra Tech collected twenty-eight (28) surface soil samples at the Site to evaluate the potential for arsenic and OCP impacts to shallow soil due to historical agricultural land use. The results of the laboratory analysis were compared to the residential screening criteria (DTSC 2019), and none of the OCP or arsenic concentrations were detected above the screening criteria. The data evaluation of composite arsenic results are considered to be representative of the actual conditions due to the absence of orchard crops planted at the site; therefore no further sampling is warranted.

## **4.0            LIMITATIONS**

The statements and results presented in this report are based on the scope of work described above and on observations made on the dates of Tetra Tech's applicable fieldwork. This assessment was prepared in a manner consistent with the level of care and skill ordinarily exercised by Professional Geologists. Work was performed using a degree of skill consistent with that of competent environmental consulting firms performing similar work in the area. No recommendation is made as to the suitability of the Site for any purpose. The result of the investigation does not preclude the possibility that materials currently, or in the future, defined as hazardous are present on the site. This report is applicable only to the investigated site and should not be used for any other site. No warranty is expressed or implied.

Should you have any questions concerning the contents of this letter, please contact the undersigned at (916) 643-4826.

Sincerely,

Bryan C. Yates, AICP  
Program Manager

Peter Oblander, P.G. 8111  
Senior Geologist

## **5.0 REFERENCES**

AEI Consultants

2018 Phase I Environmental Site Assessment, SWC of North 1st Street and Vaughn Road, AEI Project No. 394594

California Department of Toxic Substances Control

2019 Human and Ecological Risk Office, Human Health Risk Assessment Note Number 3

United States Geological Survey

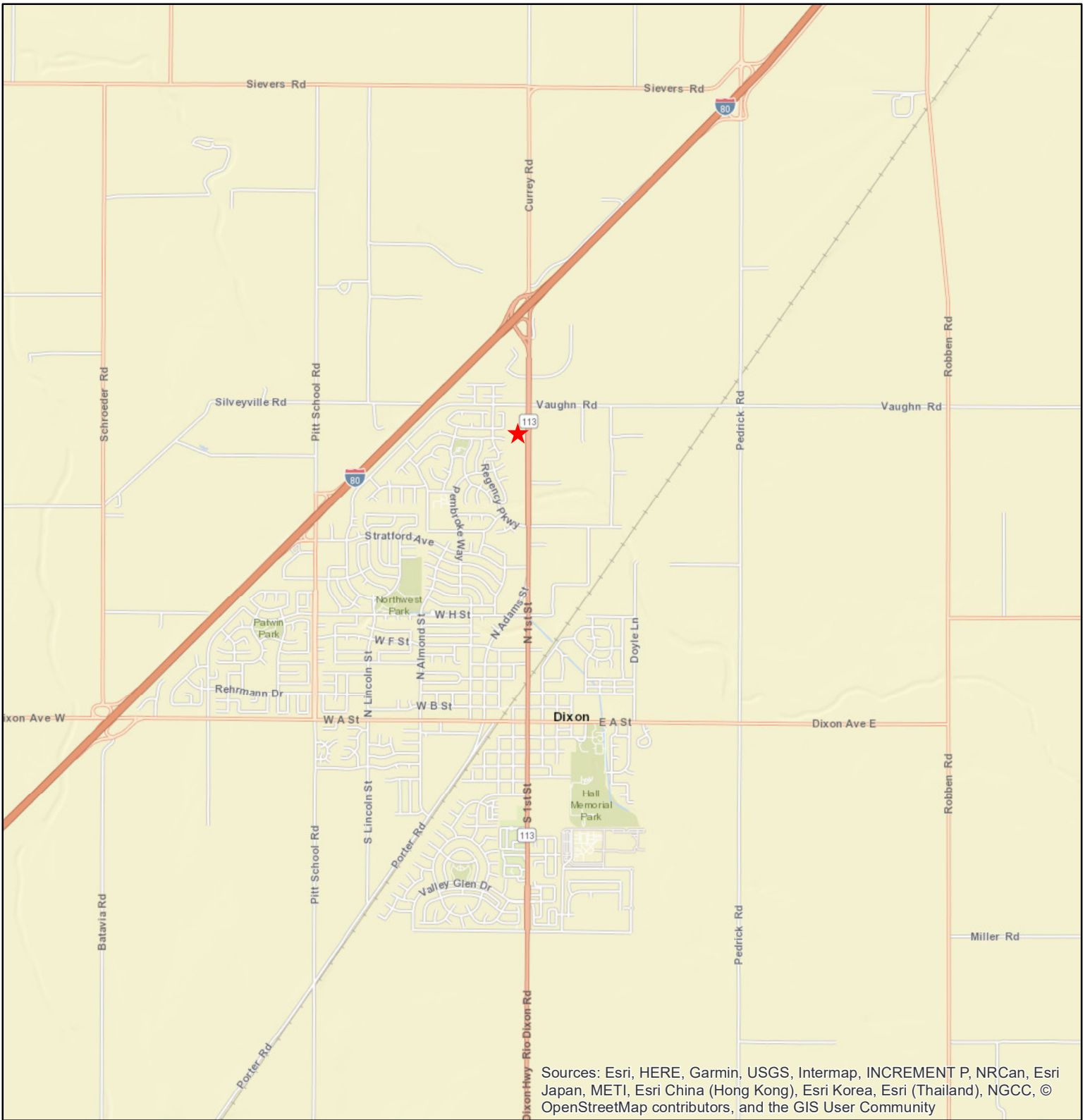
2014 Geochemical and Mineralogical Maps for Soil of the Conterminous United States, Open File Report 2014-1082 (OFR 2014-1082)

Tetra Tech (*in preparation*)

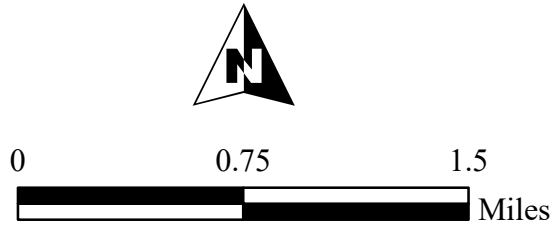
2019 Phase I Environmental Site Assessment, Duffel Property, 100-MCP-T39745, July


**FIGURES**

**APPENDIX A**



**Legend**  
 ★ Site Location

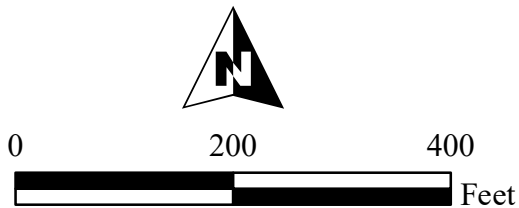


<b>Duffel Property</b>	
Vicinity Map	
Date Created : 07/08/19 Revised:	Drafted : Evan Enriquez Checked: Bryan Yates
 <b>TETRA TECH</b>	<b>FIGURE 1</b>



**Legend**

- Site Boundary (Approx. 13 Acres)
- Sample Locations



Duffel Property	
Sample Location Map	
Date Created : 07/08/19 Revised:	Drafted : Evan Enriquez Checked: Bryan Yates
<b>TETRA TECH</b>	<b>FIGURE</b> 2





**CALIFORNIA LABORATORY SERVICES**

*Committed. Responsive. Flexible.*

July 03, 2019

**CLS Work Order #: 19G0039**

**COC #:**

Bryan Yates  
Tetra Tech Inc  
5012 Luce Ave Ste# 103  
McClellan, CA 95652

**Project Name: Duffel Property**

Enclosed are the results of analyses for samples received by the laboratory on 07/01/19 13:03. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.  
Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233









Tetra Tech Inc 5012 Luce Ave Ste# 103 McClellan, CA 95652	Project: Duffel Property Project Number: [none] Project Manager: Bryan Yates	CLS Work Order #: 19G0039 COC #:
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**Metals by EPA 6000/7000 Series Methods**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DP-PE-0.5 (01-04 Composite) (19G0039-05) Soil Sampled: 07/01/19 08:30 Received: 07/01/19 13:03</b>									
Arsenic	3.6	2.0	mg/kg	10	1905427	07/02/19	07/02/19	EPA 6020	
<b>DP-PE-0.5 (05-08 Composite) (19G0039-10) Soil Sampled: 07/01/19 09:39 Received: 07/01/19 13:03</b>									
Arsenic	5.3	2.0	mg/kg	10	1905427	07/02/19	07/02/19	EPA 6020	
<b>DP-PE-0.5 (09-12 Composite) (19G0039-15) Soil Sampled: 07/01/19 10:05 Received: 07/01/19 13:03</b>									
Arsenic	5.1	2.0	mg/kg	10	1905427	07/02/19	07/02/19	EPA 6020	
<b>DP-PE-0.5 (13-16 Composite) (19G0039-20) Soil Sampled: 07/01/19 10:35 Received: 07/01/19 13:03</b>									
Arsenic	5.5	2.0	mg/kg	10	1905427	07/02/19	07/02/19	EPA 6020	
<b>DP-PE-0.5 (17-20 Composite) (19G0039-25) Soil Sampled: 07/01/19 10:51 Received: 07/01/19 13:03</b>									
Arsenic	4.4	2.0	mg/kg	10	1905427	07/02/19	07/02/19	EPA 6020	
<b>DP-PE-0.5 (21-24 Composite) (19G0039-30) Soil Sampled: 07/01/19 11:08 Received: 07/01/19 13:03</b>									
Arsenic	4.8	2.0	mg/kg	10	1905427	07/02/19	07/02/19	EPA 6020	
<b>DP-PE-0.5 (25-28 Composite) (19G0039-35) Soil Sampled: 07/01/19 11:42 Received: 07/01/19 13:03</b>									
Arsenic	4.3	2.0	mg/kg	10	1905427	07/02/19	07/02/19	EPA 6020	





Tetra Tech Inc 5012 Luce Ave Ste# 103 McClellan, CA 95652	Project: Duffel Property Project Number: [none] Project Manager: Bryan Yates	CLS Work Order #: 19G0039 COC #:
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**Organochlorine Pesticides by EPA Method 8081A**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DP-PE-0.5 (05-08 Composite) (19G0039-10) Soil</b>									<b>QRL-8</b>
Sampled: 07/01/19 09:39 Received: 07/01/19 13:03									
Chlordane-technical	ND	17	µg/kg	5	1905401	"	07/02/19	EPA 8081A	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl	69 %	52-141	"	"	"	"	"	"
Surrogate: Tetrachloro-meta-xylene	70 %	46-139	"	"	"	"	"	"

<b>DP-PE-0.5 (09-12 Composite) (19G0039-15) Soil</b>									<b>QRL-8</b>
Sampled: 07/01/19 10:05 Received: 07/01/19 13:03									
4,4'-DDD	ND	17	µg/kg	5	1905401	07/01/19	07/02/19	EPA 8081A	
4,4'-DDE	65	17	"	"	"	"	"	"	
4,4'-DDT	28	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	
delta-BHC	ND	8.5	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	







Tetra Tech Inc 5012 Luce Ave Ste# 103 McClellan, CA 95652	Project: Duffel Property Project Number: [none] Project Manager: Bryan Yates	CLS Work Order #: 19G0039 COC #:
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**Organochlorine Pesticides by EPA Method 8081A**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DP-PE-0.5 (13-16 Composite) (19G0039-20) Soil</b> <b>Sampled: 07/01/19 10:35</b> <b>Received: 07/01/19 13:03</b> <b>QRL-8</b>									
Mirex	ND	17	µg/kg	5	1905401	"	07/02/19	EPA 8081A	
Toxaphene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		81 %		52-141	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		80 %		46-139	"	"	"	"	
<b>DP-PE-0.5 (17-20 Composite) (19G0039-25) Soil</b> <b>Sampled: 07/01/19 10:51</b> <b>Received: 07/01/19 13:03</b>									
4,4'-DDD	ND	3.3	µg/kg	1	1905401	07/01/19	07/02/19	EPA 8081A	
<b>4,4'-DDE</b>	<b>57</b>	17	"	5	"	"	"	"	
<b>4,4'-DDT</b>	<b>43</b>	17	"	"	"	"	"	"	
Aldrin	ND	1.0	"	1	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
<b>Endosulfan II</b>	<b>16</b>	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		80 %		52-141	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		91 %		46-139	"	"	"	"	





Tetra Tech Inc 5012 Luce Ave Ste# 103 McClellan, CA 95652	Project: Duffel Property Project Number: [none] Project Manager: Bryan Yates	CLS Work Order #: 19G0039 COC #:
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DP-PE-0.5 (25-28 Composite) (19G0039-35) Soil Sampled: 07/01/19 11:42 Received: 07/01/19 13:03</b>									
Chlordane-technical	ND	3.3	µg/kg	1	1905401	"	07/02/19	EPA 8081A	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl 67% 52-141 " " " "

Surrogate: Tetrachloro-meta-xylene 67% 46-139 " " " "



Tetra Tech Inc 5012 Luce Ave Ste# 103 McClellan, CA 95652	Project: Duffel Property Project Number: [none] Project Manager: Bryan Yates	CLS Work Order #: 19G0039 COC #:
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**Metals by EPA 6000/7000 Series Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1905427 - EPA 3050B</b>										
<b>Blank (1905427-BLK1)</b> Prepared & Analyzed: 07/02/19										
Arsenic	ND	0.20	mg/kg							
<b>LCS (1905427-BS1)</b> Prepared & Analyzed: 07/02/19										
Arsenic	8.50	0.20	mg/kg	10.0	3.65	83	75-125			
<b>Matrix Spike (1905427-MS1)</b> Source: 19G0039-05 Prepared & Analyzed: 07/02/19										
Arsenic	11.9	2.0	mg/kg	10.0	3.65	83	75-125			
<b>Matrix Spike Dup (1905427-MSD1)</b> Source: 19G0039-05 Prepared & Analyzed: 07/02/19										
Arsenic	11.5	2.0	mg/kg	10.0	3.65	79	75-125	3	30	



Tetra Tech Inc 5012 Luce Ave Ste# 103 McClellan, CA 95652	Project: Duffel Property Project Number: [none] Project Manager: Bryan Yates	CLS Work Order #: 19G0039 COC #:
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**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1905401 - LUFT-DHS GCNV**

**Blank (1905401-BLK1)**

Prepared: 07/01/19 Analyzed: 07/02/19

Aldrin	ND	1.0	µg/kg							
alpha-BHC	ND	1.7	"							
beta-BHC	ND	1.7	"							
gamma-BHC (Lindane)	ND	1.7	"							
delta-BHC	ND	1.7	"							
Chlordane-technical	ND	3.3	"							
4,4'-DDD	ND	3.3	"							
4,4'-DDE	ND	3.3	"							
4,4'-DDT	ND	3.3	"							
Dieldrin	ND	1.0	"							
Endosulfan I	ND	1.7	"							
Endosulfan II	ND	3.3	"							
Endosulfan sulfate	ND	3.3	"							
Endrin	ND	3.3	"							
Endrin aldehyde	ND	3.3	"							
Heptachlor	ND	1.7	"							
Heptachlor epoxide	ND	1.7	"							
Methoxychlor	ND	17	"							
Mirex	ND	3.3	"							
Toxaphene	ND	20	"							

Surrogate: Tetrachloro-meta-xylene	4.47		"	8.33		54	46-139
Surrogate: Decachlorobiphenyl	6.13		"	8.33		74	52-141

**LCS (1905401-BS1)**

Prepared: 07/01/19 Analyzed: 07/02/19

Aldrin	12.7	1.0	µg/kg	16.7		76	47-132
gamma-BHC (Lindane)	14.2	1.7	"	16.7		85	56-133
4,4'-DDT	17.1	3.3	"	16.7		103	46-137
Dieldrin	15.1	1.0	"	16.7		91	44-143
Endrin	20.5	3.3	"	16.7		123	30-147
Heptachlor	14.3	1.7	"	16.7		86	33-148

Surrogate: Tetrachloro-meta-xylene	5.80		"	8.33		70	46-139
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Tetra Tech Inc 5012 Luce Ave Ste# 103 McClellan, CA 95652	Project: Duffel Property Project Number: [none] Project Manager: Bryan Yates	CLS Work Order #: 19G0039 COC #:
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**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1905401 - LUFT-DHS GCNV**

**LCS (1905401-BS1)**

Prepared: 07/01/19 Analyzed: 07/02/19

Surrogate: Decachlorobiphenyl	6.70		µg/kg	8.33		80	52-141			
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**LCS Dup (1905401-BSD1)**

Prepared: 07/01/19 Analyzed: 07/02/19

Aldrin	13.5	1.0	µg/kg	16.7		81	47-132	7	30	
gamma-BHC (Lindane)	14.9	1.7	"	16.7		89	56-133	5	30	
4,4'-DDT	17.2	3.3	"	16.7		103	46-137	0.7	30	
Dieldrin	15.4	1.0	"	16.7		92	44-143	2	30	
Endrin	21.0	3.3	"	16.7		126	30-147	2	30	
Heptachlor	15.1	1.7	"	16.7		91	33-148	6	30	

Surrogate: Tetrachloro-meta-xylene	6.60		"	8.33		79	46-139			
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Surrogate: Decachlorobiphenyl	6.81		"	8.33		82	52-141			
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**Matrix Spike (1905401-MS1)**

Source: 19G0036-05

Prepared: 07/01/19 Analyzed: 07/02/19

**QRL-8**

Aldrin	8.77	5.0	µg/kg	16.7	ND	53	47-138			
gamma-BHC (Lindane)	9.12	8.5	"	16.7	ND	55	38-144			
4,4'-DDT	5.59	17	"	16.7	ND	34	41-157			QM-7
Dieldrin	9.36	5.0	"	16.7	ND	56	46-155			
Endrin	12.6	17	"	16.7	ND	76	34-149			
Heptachlor	8.19	8.5	"	16.7	ND	49	36-155			

Surrogate: Tetrachloro-meta-xylene	10.9		"	20.8		52	46-139			
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Surrogate: Decachlorobiphenyl	15.1		"	20.8		72	52-141			
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**Matrix Spike Dup (1905401-MSD1)**

Source: 19G0036-05

Prepared: 07/01/19 Analyzed: 07/02/19

**QRL-8**

Aldrin	10.3	5.0	µg/kg	16.7	ND	62	47-138	16	35	
gamma-BHC (Lindane)	9.84	8.5	"	16.7	ND	59	38-144	8	35	
4,4'-DDT	4.84	17	"	16.7	ND	29	41-157	14	35	QM-7
Dieldrin	10.7	5.0	"	16.7	ND	64	46-155	13	35	
Endrin	14.3	17	"	16.7	ND	86	34-149	12	35	
Heptachlor	9.19	8.5	"	16.7	ND	55	36-155	12	35	

Surrogate: Tetrachloro-meta-xylene	11.6		"	20.8		56	46-139			
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Surrogate: Decachlorobiphenyl	14.7		"	20.8		70	52-141			
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Tetra Tech Inc 5012 Luce Ave Ste# 103 McClellan, CA 95652	Project: Duffel Property Project Number: [none] Project Manager: Bryan Yates	<b>CLS Work Order #: 19G0039</b> COC #:
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**Notes and Definitions**

- QRL-8 The extract of this sample was dark and/or oily. Therefore, the sample was analyzed with a dilution and the reporting limit was raised for all target compounds.
- QM-7 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

## **Appendix H**

Environmental Noise & Vibration Assessment, Lincoln Square Mixed-Use Development, Dixon, California



# Environmental Noise & Vibration Assessment

## Lincoln Square Mixed-Use Development

Dixon, California

BAC Job # 2021-107

Prepared For:

Raney Planning & Management, Inc.

Attn: Megane Browne-Allard  
1501 Sports Drive, Suite A  
Sacramento, CA 95834

Prepared By:

**Bollard Acoustical Consultants, Inc.**



Dario Gotchet, Senior Consultant

October 8, 2021



## CEQA Checklist

<b>NOISE AND VIBRATION – Would the Project Result in:</b>	<b>NA – Not Applicable</b>	<b>Potentially Significant Impact</b>	<b>Less than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a) Generation of 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?			<b>X</b>		
b) Generation of excessive groundborne vibration or groundborne noise levels?				<b>X</b>	
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?					<b>X</b>

## Introduction

The proposed Lincoln Square Mixed-Use Development (project) is located south of Vaughn Road and west of Lincoln Highway (SR-113) in the City of Dixon, California. Existing land uses in the immediate project vicinity include retail / commercial, industrial, and residential. The project area and surrounding uses are shown on Figure 1. The project site plans are shown on Figures 2 and 3.

The purposes of this assessment are to quantify the existing noise and vibration environments, identify potential noise and vibration impacts resulting from the project, identify appropriate mitigation measures, and provide a quantitative and qualitative analysis of impacts associated with the project. Specifically, impacts are identified if project-related activities would cause a substantial increase in ambient noise levels at existing sensitive uses in the project vicinity, or if traffic or project-generated noise or vibration levels would exceed applicable federal, state, or local (City of Dixon) standards at existing or proposed sensitive uses.

## Noise and Vibration Fundamentals

### Noise

Noise is often described as unwanted sound. Sound is defined as any pressure variation in air that the human ear can detect. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard and are designated as sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second, or Hertz (Hz). Definitions of acoustical terminology are provided in Appendix A.

Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale uses the hearing threshold (20 micropascals of pressure) as a point of reference, defined as 0 dB. Other sound pressures are then compared to the reference pressure, and the logarithm is taken to keep the numbers in a practical range. The decibel scale allows a million-fold increase in pressure to be expressed as 120 dB. Another useful aspect of the decibel scale is that changes in decibel levels correspond closely to human perception of relative loudness. Noise levels associated with common noise sources are provided in Figure 4.

The perceived loudness of sounds is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable and can be approximated by filtering the frequency response of a sound level meter by means of the standardized A-weighting network. There is a strong correlation between A-weighted sound levels (expressed as dBA) and community response to noise. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment. All noise levels reported in this section are in terms of A-weighted levels.

Community noise is commonly described in terms of the ambient noise level, which is defined as the all-encompassing noise level associated with a given noise environment. A common

statistical tool to measure the ambient noise level is the average, or equivalent, sound level ( $L_{eq}$ ). The  $L_{eq}$  is the foundation of the day-night average noise descriptor, DNL (or  $L_{dn}$ ), and shows very good correlation with community response to noise. DNL is based upon the average noise level over a 24-hour day, with a +10-decibel weighting applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. The nighttime penalty is based upon the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures. Because DNL represents a 24-hour average, it tends to disguise short-term variations in the noise environment. DNL-based noise standards are commonly used to assess noise impacts associated with traffic, railroad, and aircraft noise sources.

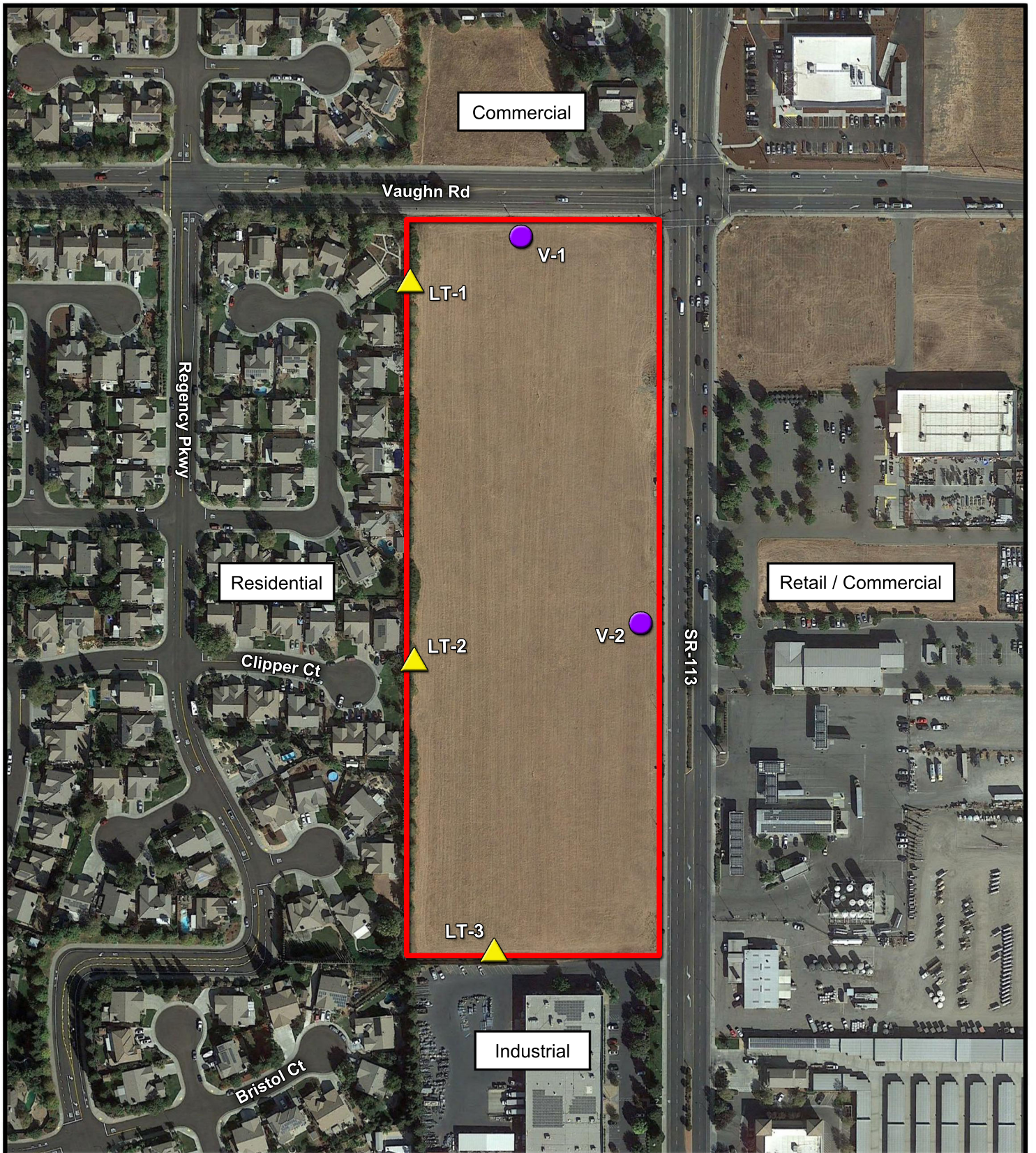
## **Vibration**

Vibration is like noise in that it involves a source, a transmission path, and a receiver. While vibration is related to noise, it differs in that noise is generally considered to be pressure waves transmitted through air, while vibration is usually associated with transmission through the ground or structures. As with noise, vibration consists of an amplitude and frequency. A person's response to vibration will depend on their individual sensitivity as well as the amplitude and frequency of the source.




Vibration can be described in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration in terms of velocity in inches per second peak particle velocity (IPS, PPV) or root-mean-square (VdB, RMS). Standards pertaining to perception as well as damage to structures have been developed for vibration in terms of peak particle velocity as well as RMS velocities. As vibrations travel outward from the source, they excite the particles of rock and soil through which they pass and cause them to oscillate. Differences in subsurface geologic conditions and distance from the source of vibration will result in different vibration levels characterized by different frequencies and intensities. In all cases, vibration amplitudes will decrease with increasing distance. The maximum rate, or velocity of particle movement, is the commonly accepted descriptor of the vibration "strength".

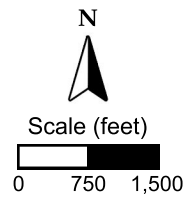
Human response to vibration is difficult to quantify. Vibration can be felt or heard well below the levels that produce any damage to structures. The duration of the event has an effect on human response, as does frequency. Generally, as the duration and vibration frequency increase, the potential for adverse human response increases.

According to the Caltrans Transportation and Construction-Induced Vibration Guidance Manual (April 2020), operation of construction equipment and construction techniques generate ground vibration. Traffic traveling on roadways can also be a source of such vibration. At high enough amplitudes, ground vibration has the potential to damage structures and/or cause cosmetic damage. Ground vibration can also be a source of annoyance to individuals who live or work close to vibration-generating activities. However, traffic, rarely generates vibration amplitudes high enough to cause structural or cosmetic damage.



**Legend**

-  Project Border (Approximate)
-  Long-Term Noise Survey Locations
-  Vibration Measurement Locations



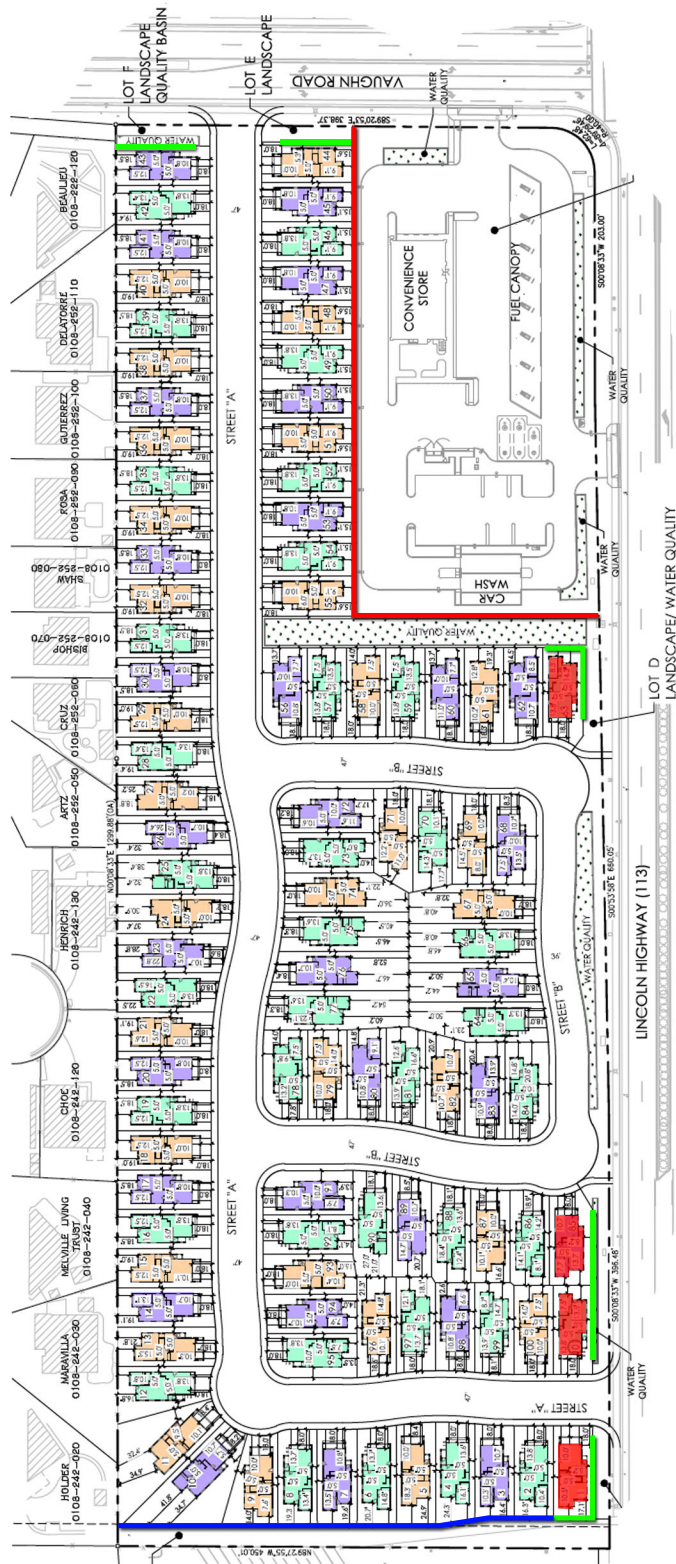
Lincoln Square Mixed-Use Development  
Dixon, California

Project Area

Figure 1

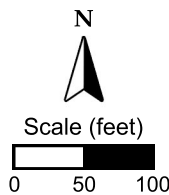


Existing Residential



**Legend**

- Proposed 8' Sound Wall
- 6' Traffic Noise Barriers (MM-11)
- Recommended 6' Industrial Noise Barrier
- Window Construction Upgrades (STC-32: Upper-Floors Only) (MM-12)



Lincoln Square Mixed-Use Development  
Dixon, California

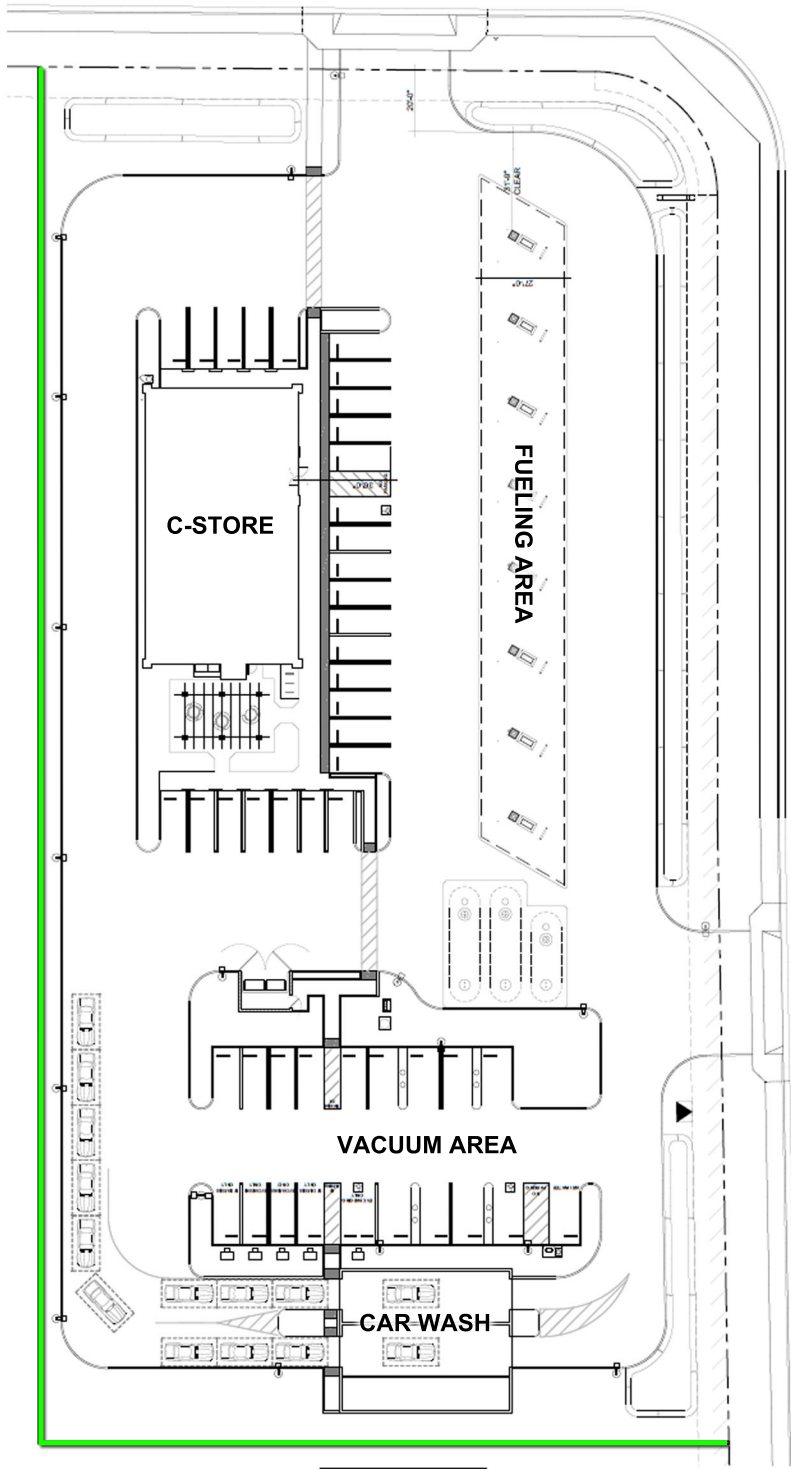
Site Plan

Figure 2



Vaughn Rd


Proposed Residential

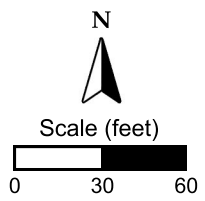


SR-113

Proposed Residential

**Legend**

 Proposed 8' Sound Wall



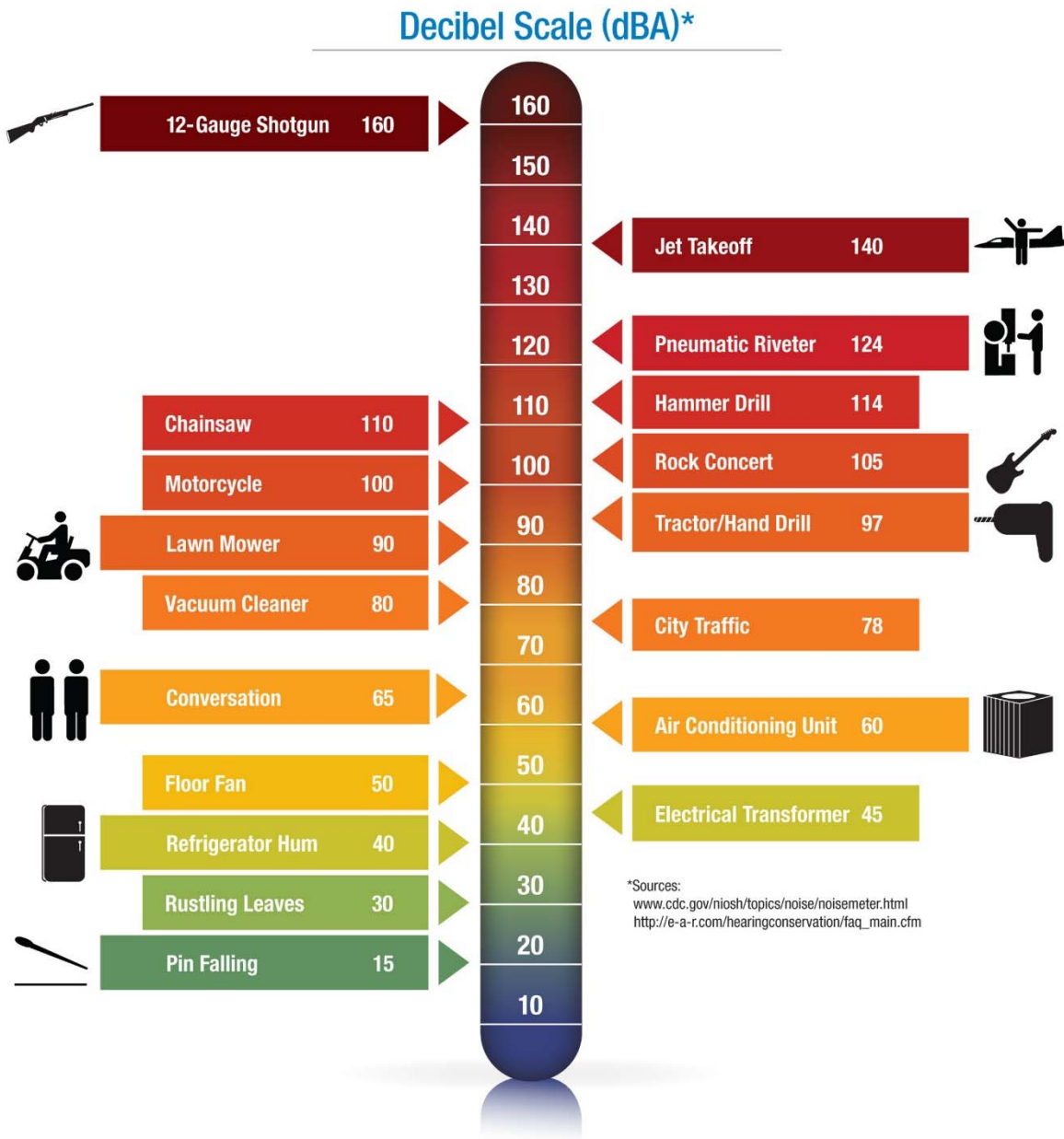
Lincoln Square Mixed-Use Development  
Dixon, California

Retail Component Site Plan

Figure 3



**Figure 4  
Noise Levels Associated with Common Noise Sources**





## Regulatory Setting: Criteria for Acceptable Noise and Vibration Exposure

### Federal

There are no federal noise or vibration criteria which would be directly applicable to this project. However, the City of Dixon does not currently have established criteria for assessing noise impacts associated with increases in ambient noise levels from project-generated noise sources. In addition, the City of Dixon does not have established performance standards for the assessment of vibration impacts. As a result, the following federal noise criteria was applied to the project.

#### Federal Interagency Commission on Noise

The Federal Interagency Commission on Noise (FICON) has developed a graduated scale for use in the assessment of project-related noise level increases. The criteria shown in Table 1 was developed by FICON as a means of developing thresholds for impact identification for project-related noise level increases. The FICON standards have been used extensively in recent years in the preparation of the noise sections of Environmental Impact Reports that have been certified in many California cities and counties.

The use of the FICON standards is considered conservative relative to thresholds used by other agencies in the State of California. For example, the California Department of Transportation (Caltrans) requires a project-related traffic noise level increase of 12 dB for a finding of significance, and the California Energy Commission (CEC) considers project-related noise level increases between 5 to 10 dB significant, depending on local factors. Therefore, the use of the FICON standards, which set the threshold for finding of significant noise impacts as low as 1.5 dB, provides a very conservative approach to impact assessment for this project.

**Table 1  
Significance of Changes in Cumulative Noise Exposure**

Ambient Noise Level Without Project (DNL or CNEL)	Change in Ambient Noise Level Due to Project
<60 dB	+5.0 dB or more
60 to 65 dB	+3.0 dB or more
>65 dB	+1.5 dB or more

*Source: Federal Interagency Committee on Noise (FICON)*

Based on the FICON research, as shown in Table 1, a 5 dB increase in noise levels due to a project is required for a finding of significant noise impact where ambient noise levels without the project are less than 60 dB DNL. Where pre-project ambient conditions are between 60 and 65 dB DNL, a 3 dB increase is applied as the standard of significance. Finally, in areas already exposed to higher noise levels, specifically pre-project noise levels in excess of 65 dB DNL, a 1.5 dB increase is considered by FICON as the threshold of significance.

## **State of California**

### California Environmental Quality Act

The State of California has established regulatory criteria that are applicable to this assessment. Specifically, Appendix G of the State of California Environmental Quality Act (CEQA) Guidelines are used to assess the potential significance of impacts pursuant to local General Plan policies, Municipal Code standards, or the applicable standards of other agencies. According to Appendix G of the CEQA guidelines, the project would result in a significant noise or vibration impact if the following occur:

- 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 other applicable standards of other agencies; or
- B. Generation of excessive groundborne vibration or groundborne noise levels; or
- 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.

It should be noted that audibility is not a test of significance according to CEQA. If this were the case, any project which added any audible amount of noise to the environment would be considered significant according to CEQA. Because every physical process creates noise, the use of audibility alone as significance criteria would be unworkable. CEQA requires a substantial increase in noise levels before noise impacts are identified, not simply an audible change.

### California Department of Transportation (Caltrans)

The City of Dixon does not currently have adopted standards for groundborne vibration. As a result, the vibration impact criteria developed by the California Department of Transportation (Caltrans) was applied to the project. The Caltrans criteria applicable to damage and annoyance from transient and continuous vibration typically associated with construction activities are presented in Tables 2 and 3. Equipment or activities typical of continuous vibration include: excavation equipment, static compaction equipment, tracked vehicles, traffic on a highway, vibratory pile drivers, pile-extraction equipment, and vibratory compaction equipment. Equipment or activities typical of single-impact (transient) or low-rate repeated impact vibration include impact pile drivers, blasting, drop balls, “pogo stick” compactors, and crack-and-seat equipment (California Department of Transportation 2020).

**Table 2  
Guideline Vibration Damage Potential Threshold Criteria**

Structure and Condition	Maximum PPV (inches/second)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.20	0.10
Historic and some old buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial/commercial buildings	2.00	0.50

Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.  
 PPV = Peak Particle Velocity  
 Source: Caltrans Transportation and Construction Vibration Guidance Manual (2020)

**Table 3  
Guideline Vibration Annoyance Potential Criteria**

Human Response	Maximum PPV (inches/second)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Barely perceptible	0.40	0.01
Distinctly perceptible	0.25	0.04
Strongly perceptible	0.90	0.10
Severe	2.00	0.40

Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.  
 PPV = Peak Particle Velocity  
 Source: Caltrans Transportation and Construction Vibration Guidance Manual (2020)

**Local**

Dixon General Plan 2040

The Natural Environment Element of the Dixon General Plan 2040 contains policies to ensure that city residents are not subjected to noise beyond acceptable levels. Those General Plan policies are provided below.

**Policies**

- NE-5.16 Ensure that noise does not have a substantial, adverse effect on the quality of life in the community.

- NE-5.17 Apply the General Plan noise and land use compatibility standards to all new residential, commercial, and mixed-use development and redevelopment, as shown in Table 4 (General Plan Table NE-2).
- NE-5.18 Require acoustical studies with appropriate mitigation measures for projects that are likely to be exposed to noise levels that exceed the “normally acceptable” standard and for any other projects that are likely to generate noise in excess of these standards.
- NE-5.19 Require that new noise-producing uses are located sufficiently far away from noise-sensitive receptors and/or include adequate noise mitigation, such as screening, barriers, sound enclosures, noise insulation, and/or restrictions on hours of operation.

**Table 4  
Community Noise Compatibility Matrix**

Land Use Categories	Community Noise Exposure (CNEL, Ldn, or dBA)					
	55	60	65	70	75	80
Residential – Low Density Single Family, Duplex, Mobile Homes	Grey	Yellow	Yellow	Yellow	Green	Orange
Residential – Multiple Family	Grey	Grey	Yellow	Yellow	Green	Orange
Transient Lodging – Motels, Hotels	Grey	Grey	Yellow	Yellow	Green	Orange
Schools, Libraries, Churches, Hospitals, Nursing Homes	Grey	Grey	Yellow	Yellow	Green	Orange
Auditoriums, Concert Halls, Ampitheaters	Yellow	Yellow	Yellow	Yellow	Orange	Orange
Sports Arena, Outdoor Spectator Sports	Yellow	Yellow	Yellow	Yellow	Orange	Orange
Playgrounds, Neighborhood Parks	Grey	Grey	Grey	Green	Green	Orange
Gold Courses, Riding Stables, Water Recreation, Cemeteries	Grey	Grey	Grey	Grey	Green	Orange
Office Buildings, Business Commercial and Professional	Grey	Grey	Grey	Yellow	Yellow	Green
Industrial, Manufacturing, Utilities, Agriculture	Grey	Grey	Grey	Grey	Yellow	Green

Dixon Municipal Code

The provisions of the Dixon Municipal Code which would be generally applicable to this project are reproduced below.

**18.28.030 Noise performance standards.**

No land use shall generate sound exceeding the maximum levels permitted in the following table when such are measured in any zoning districts listed in this table.

Zoning District	Maximum Sound Pressure Level in Decibels
Residential and Medical	55
Multi-Family Residential	60
“C”	70
“M”	75

**18.28.040 Noise performance standards – Correction factors.**

The following correction factors, when applicable, shall be applied to the maximum sound pressure levels given in DMC 18.28.030.

Time and Operation of Type of Noise	Correction in Maximum Permitted Decibels
Emission only between 7:00 a.m. and 10:00 p.m.	+5
Noise of unusual impulsive character (e.g., hammering)	-5
Noise of unusual periodic character (e.g., screeching)	-5

**18.28.050 Noise performance standards – Exceptions.**

The following sounds, upon compliance with stated conditions, may exceed the maximum sound pressure levels given in DMC 18.28.030.

- A. Time signals produced by places of employment or worship and school recess signals providing no one sound exceeds five seconds in duration and no one series of sounds exceeds 24 seconds in duration.
- B. Devotional and patriotic music of worship, provided such music is emitted only between the hours of 7:00 a.m. and 10:00 p.m.
- C. Sounds from transportation equipment used exclusively in the movement of goods and people to and from a given premises, temporary construction, or demolition work.
- D. Sounds made in the interests of public safety.

**18.28.080 Vibration performance standards.**

No use shall be operated in a manner which produces vibrations discernible without instruments at any point on the property line of the lot on which the use is located.

## **Environmental Setting – Existing Ambient Noise and Vibration Environment**

### **Noise-Sensitive Land Uses in the Project Vicinity**

Noise-sensitive land uses are generally defined as locations where people reside or where the presence of unwanted sound could adversely affect the primary intended use of the land. Places where people live, sleep, worship, and study are generally considered to be sensitive to noise because intrusive noise can be disruptive to these activities.

The noise-sensitive land uses which would potentially be affected by the project consist of residential uses. Specifically, single-family residential land uses are located to the west of the project area. Existing industrial, commercial, and retail uses are also located within the project vicinity, however these uses are typically not considered to be noise-sensitive, as they are often noise-generating. The project area and surrounding land uses are shown on Figure 1.

### **Existing Overall Ambient Noise Environment within the Project Vicinity**

The existing ambient noise environment within the project area is defined primarily by noise from traffic on SR-113 and Vaughn Road, and to a lesser extent by nearby industrial, commercial, and retail operations. To generally quantify existing ambient noise environment within the project vicinity, BAC conducted long-term (96-hour) ambient noise level measurements from Thursday, June 10<sup>th</sup> through Sunday, June 13<sup>th</sup>, 2021. The noise survey locations are shown on Figure 1, identified as sites LT-1 through LT-3. Noise measurement sites LT-1 and LT-2 were selected to be representative of the ambient noise level environment at the nearest residential uses to the west of the project. Noise measurement site LT-3 was selected to be representative of the ambient noise level environment at the southern project property boundary, adjacent to existing industrial operations (Dependable Heating and Air Conditioning). Photographs of the noise survey locations are provided in Appendix B.

Larson Davis Laboratories (LDL) Model 820 and LxT precision integrating sound level meters were used to complete the long-term noise level measurements. The meters were calibrated immediately before and after use with an LDL Model CA200 acoustical calibrator to ensure the accuracy of the measurements. The equipment used meets all specifications of the American National Standards Institute requirements for Type 1 sound level meters (ANSI S1.4). The ambient noise level survey results are summarized below in Table 5. The detailed results of the ambient noise survey are contained in tabular and graphic format in Appendices C and D, respectively.

**Table 5**  
**Summary of Long-Term Noise Survey Measurement Results – June 10-13, 2021<sup>1</sup>**

Site Description <sup>2</sup>	Date	DNL	Average Measured Hourly Noise Levels (dBA) <sup>3</sup>			
			Daytime <sup>3</sup>		Nighttime <sup>4</sup>	
			Leq	L <sub>max</sub>	Leq	L <sub>max</sub>
LT-1: Northwestern project property boundary adjacent to residences	6/10/21	57	52	68	50	67
	6/11/21	56	49	67	49	65
	6/12/21	55	50	67	48	62
	6/13/21	55	49	67	48	65
LT-2: Western project boundary adjacent to residences	6/10/21	56	50	67	50	68
	6/11/21	56	48	65	50	66
	6/12/21	56	49	64	50	63
	6/13/21	53	49	65	46	64
LT-3: Southern project property boundary adjacent to industrial operations	6/10/21	56	51	67	50	64
	6/11/21	56	51	68	49	63
	6/12/21	55	48	63	49	63
	6/13/21	52	47	63	46	62

<sup>1</sup> Detailed summaries of the noise monitoring results are provided in Appendices C and D.  
<sup>2</sup> Long-term noise survey locations are shown on Figure 1.  
<sup>3</sup> Daytime hours: 7:00 a.m. to 10:00 p.m.  
<sup>4</sup> Nighttime hours: 10:00 p.m. to 7:00 a.m.  
Source: Bollard Acoustical Consultants, Inc. (2021)

As indicated in Table 5, measured day-night average (DNL) and average measured hourly noise levels were consistent at sites LT-1 through LT-3 throughout the entire monitoring period. In addition, measured ambient noise levels were generally highest at site LT-1. This is believed to be due to the proximity of the measurement location relative to Vaughn Road.

### Existing Ambient Vibration Environment

During BAC site visits on June 9<sup>th</sup> and 14<sup>th</sup>, 2021, vibration levels were below the threshold of perception at the project site. Nonetheless, to quantify existing vibration levels at the project site, BAC conducted short-term (15-minute) vibration measurements at the locations identified on Figure 1 (sites V-1 and V-2) on June 14<sup>th</sup>, 2021. Photographs of the vibration survey equipment are provided in Appendix B.

A Larson-Davis Laboratories Model LxT precision integrating sound level meter equipped with a PCB Electronics vibration transducer was used to complete the vibration measurements. The results are summarized below in Table 6.

**Table 6**  
**Summary of Ambient Vibration Monitoring Results – June 14, 2021**

Site Description <sup>1</sup>	Time	Average Measured Vibration Level, PPV (in. sec) <sup>2</sup>
V-1: Approximately 60' from centerline of Vaughn Rd	11:22 a.m.	0.012
V-2: Approximately 60' from centerline of SR-113	9:08 a.m.	0.014
<sup>1</sup> Vibration survey locations are shown on Figure 1. <sup>2</sup> PPV = Peak Particle Velocity (inches/second) Source: <i>Bollard Acoustical Consultants, Inc. (2021)</i>		

The Table 6 data indicate that measured average vibration levels at the project site ranged from 0.012 to 0.014 in/sec PPV.

## Impacts and Mitigation Measures

### Thresholds of Significance

For the purposes of this report, a noise and vibration impact is considered significant if the project would result in:

- 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 other applicable standards of other agencies?
- Generation of excessive groundborne vibration or groundborne noise levels?
- 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.

The project site is not within the vicinity of a private airstrip, an airport land use plan, or within two miles of a public airport. Therefore, the last threshold listed above is not discussed further.

The following criteria based on standards established by the Federal Interagency Commission on Noise (FICON), Caltrans, City of Dixon General Plan and Dixon Municipal Code were used to evaluate the significance of environmental noise and vibration resulting from the project:

- A significant noise impact would be identified if the project would expose persons to or generate noise levels that would exceed applicable noise standards presented in Dixon General Plan or Municipal Code.
- A significant impact would be identified if off-site traffic noise exposure or on-site activities generated by the project would substantially increase noise levels at existing sensitive receptors in the vicinity. A substantial increase would be identified relative to the FICON standards provided in Table 1.



- A significant impact would be identified if project construction activities or proposed on-site operations would expose sensitive receptors to excessive groundborne vibration levels. Specifically, an impact would be identified if groundborne vibration levels due to these sources would exceed the Caltrans vibration impact criteria.

## **Noise Impacts Associated with Project-Generated Increases in Off-Site Traffic**

### **Impact 1: Increases in Existing Traffic Noise Levels due to the Project**

The project site is accessed via SR-113 and Vaughn Road on the east and north ends of the project site, respectively. As a result, the greatest impact from project-generated off-site traffic is expected to be on SR-113 and Vaughn Road.

To assess noise impacts due to project-related traffic increases on SR-113 and Vaughn Road, BAC utilized the trip generation information obtained from the project applicant with the Federal Highway Administration Highway Traffic Noise Prediction Model (FHWA-RD-77-108). The FHWA Model was used in conjunction with the CALVENO reference noise emission curves, and accounts for vehicle volume and speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the project vicinity, and is generally considered to be accurate within 1.5 dB if the input variables are properly accounted for. The FHWA Model was developed to predict hourly  $L_{eq}$  values for free-flowing traffic conditions. To calculate a day-night average (DNL), average daily traffic (ADT) volume data is manipulated based on the assumed day/night distribution of traffic.

According to the most recently published Caltrans traffic data (2019), the segment of SR-113 adjacent to the project site currently experiences approximately 11,700 vehicles per day. Based on an existing ADT of 11,700, medium- / heavy-truck percentages of 2% / 4% (respectively), and vehicles speeds of 45 mph, existing day-night average noise level exposure computes to approximately 70 dB DNL at a distance of 50 feet from the centerline of SR-113. The FHWA Model inputs and calculated existing traffic noise levels for SR-113 are provided in Appendix E-1.

Traffic data for Vaughn Road was obtained from data published by the City of Dixon Traffic Engineering Department. The most recent traffic data available for Vaughn Road is from 2007 and indicates an ADT of 4,350. An existing (2021) traffic volume for Vaughn Road was conservatively estimated by assuming an increase in traffic by a factor of 50% relative to the reported 2007 traffic data, which computes to a daily ADT of approximately 6,530. Based on an estimated existing ADT of 6,530, medium- / heavy-truck percentages of 2% / 2% (respectively), and vehicles speeds of 35 mph, existing day-night average noise level exposure computes to approximately 64 dB DNL at a distance of 50 feet from the centerline of Vaughn Road. The FHWA Model inputs and calculated existing traffic noise levels for Vaughn Road are provided in Appendix E-2.

According to trip generation information provided to BAC, the project is estimated to generate approximately 1,818 vehicle trips per day (524 residential, 1,294 retail). Based on the project trip generation estimations above, and conservatively assuming that all project-generated daily vehicle trips could occur along either SR-113 or Vaughn Road (worst-case), combined project-

generated traffic noise level exposure from residential and retail uses is predicted to be approximately 61 dB DNL and 58 dB DNL at a distance of 50 feet from the centerlines of SR-113 and Vaughn Road, respectively. The FHWA Model inputs and predicted traffic noise levels for the roadways are provided in Appendices E-3 through E-6.

According to the FICON criteria provided in Table 1, a 5 dB DNL increase in noise levels due to a project is required for a finding of significant noise impact where ambient noise levels without the project are less than 60 dB DNL. Where pre-project ambient conditions are between 60 and 65 dB DNL, a 3 dB increase is applied as the standard of significance. Finally, in areas already exposed to higher noise levels, specifically pre-project noise levels in excess of 65 dB DNL, a 1.5 dB increase is considered by FICON as the threshold of significance.

Given a predicted worst-case project-generated SR-113 traffic noise level of approximately 61 dB DNL at 50 feet, and a computed existing traffic noise level of approximately 70 dB DNL at that same distance, the project-related increase in traffic noise levels on SR-113 is calculated to be 0.4 dB DNL. It should be noted that noise-sensitive uses were not identified within 50 feet of the centerline of SR-113 within the project vicinity. Nonetheless, the project-related increase in SR-113 traffic noise levels of 0.4 dB DNL would be below the applicable 1.5 dB increase significance criterion established by FICON.

Given a predicted worst-case project-generated Vaughn Road traffic noise level of approximately 58 dB DNL at 50 feet, and a computed existing traffic noise level of approximately 64 dB DNL at that same distance, the project-related increase in traffic noise levels along Vaughn Road is calculated to be 0.9 dB DNL. The project-related increase in Vaughn Road traffic noise levels of 0.9 dB DNL would be below the applicable 1.5 dB increase significance criterion established by FICON.

Because project-related traffic is not predicted to result in increases in ambient noise levels that would exceed the applicable FICON increase significance criteria at existing sensitive uses within the project vicinity, this impact is identified as being ***less than significant***.

### **Off-Site Noise Impacts Associated with On-Site Noise Sources**

The project proposes a retail component to be located on the corner of SR-113 and Vaughn Road. Specifically, the retail component would consist of a Rotten Robbie's convenience store, gas station, and a car wash. The location of the proposed retail component is shown in Figure 2.

The primary noise sources associated with the convenience store component of the project have been identified as on-site vehicle circulation, on-site delivery truck circulation (i.e., medium and heavy truck passbys), truck delivery activities (i.e., unloading of product at convenience storefront), and rooftop mechanical equipment (HVAC). The most significant noise sources associated with the car wash component of the project include vacuum system operation and car wash drying assembly equipment (used for drying vehicles at the end of the wash cycle). An assessment of each identified noise source above at the nearest existing noise-sensitive uses (residential to the west) follows.

Based on information obtained from the project applicant, it is assumed for the purposes of this analysis that the project convenience store / gas station will have 24-hour operations. It is further assumed that the project car wash tunnel / vacuum components will be in operation during the hours of 6:00 a.m. to 11:00 p.m.

Finally, the Dixon Municipal Code provides noise level limits that would be applicable to non-transportation noise sources, such as those occurring on the project site. Specifically, Section 18.28.030 of the Municipal Code establishes “maximum sound pressure levels” for various receiving zoning districts. For the purposes of this analysis, the Municipal Code’s “maximum sound pressure levels” have been interpreted as the highest (maximum) allowable hourly average ( $L_{eq}$ ) sound level. The application of the  $L_{eq}$  sound level descriptor for project-generated non-transportation noise sources would be consistent with application of the General Plan’s day-night-average (DNL) noise level to transportation noise sources.

**Impact 2: Retail On-Site Vehicle Circulation Noise at Existing Sensitive Uses**

The FHWA Model was utilized with daily trip generation data obtained from the project applicant to quantify noise associated with retail on-site traffic circulation at the nearest existing sensitive uses to the west. According to the provided trip generation data, the retail component of the project is expected to generate 1,294 trips per day, including 171 a.m. peak hour trips and 128 p.m. peak hour trips. Based on this trip generation data, worst-case on-site traffic circulation noise exposure would be associated the a.m. peak hour. Based on 171 vehicle trips during a given worst-case hour, and assuming an on-site vehicle speed of less than 25 mph, project retail on-site traffic circulation noise exposure at the nearest existing residential uses was calculated. The results of those calculations are presented in Table 7.

**Table 7  
Predicted Worst-Case On-Site Traffic Circulation Noise Levels at Existing Sensitive Uses**

Receiver <sup>1</sup>	Distance from On-Site Vehicle Circulation (ft) <sup>2</sup>	Predicted Noise Level, $L_{eq}$ (dB) <sup>3,4</sup>
Existing Residential – West	300	<20
<sup>1</sup> Residential uses are shown in Figure 1. <sup>2</sup> Distance scaled from on-site circulation route to property line of residential use using provided site plans. <sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8' sound wall (-7 dB) and proposed intervening buildings (-7 dB). <sup>4</sup> Predicted noise levels based on a worst-case hour of on-site traffic circulation of 171 total trips during a.m. peak hour. Source: Bollard Acoustical Consultants, Inc. (2021)		

As indicated in Table 7, worst-case on-site retail traffic circulation noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB  $L_{eq}$  exterior noise level standard at the nearest existing residential uses to the west.

Noise measurement site LT-1 on Figure 1 was selected to be representative of the ambient noise level environment at the nearest existing residential uses to the west of the proposed retail use. The Table 5 data indicate that measured daytime hourly average noise levels at site LT-1 ranged from 49 to 52 (arithmetic mean of 50 dB  $L_{eq}$ ). The Table 5 data also indicate that measured

nighttime hourly average noise levels ranged from 48 to 50 dB  $L_{eq}$  (arithmetic mean of 49 dB  $L_{eq}$ ). According to the FICON increase significance criteria (Table 1), a 5 dB increase in noise levels due to project on-site activities would be required for a finding of a significant impact.

Given the arithmetic means of measured daytime and nighttime hourly average noise levels cited above, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient). Based on the data presented in Table 7, the increases in ambient daytime and nighttime noise levels resulting from project on-site retail vehicle circulation are calculated to be less than 0.1 dB  $L_{eq}$  at the nearest existing residential use to the west.

Because noise exposure from proposed retail use on-site vehicle circulation is predicted to satisfy applicable Dixon Municipal Code noise level standard at the nearest existing sensitive land uses, and because noise level exposure from on-site vehicle circulation is not expected to significantly increase ambient noise levels at those uses relative to the FICON criteria, this impact is identified as being ***less than significant***.

### **Impact 3: Retail On-Site Delivery Truck Circulation Noise at Existing Sensitive Uses**

It is the experience of BAC that deliveries of product to convenience stores such as the one proposed by the project occur at the front of the store with medium-duty vendor trucks/vans. The location of the convenience store is shown on Figure 3.

On-site truck passbys are expected to be relatively brief and will occur at low speeds. To predict noise levels generated by on-site truck circulation, BAC utilized file data obtained from measurements conducted by BAC of heavy and medium duty truck passbys. According to BAC file data, single-event heavy truck passby noise levels are approximately 74 dB  $L_{max}$  and 83 dB SEL at a reference distance of 50 feet. BAC file data also indicate that single-event medium truck passby noise levels are approximately 66 dB  $L_{max}$  and 76 SEL at a reference distance of 50 feet. For the purposes of predicting hourly average noise levels for comparison against the hourly average ( $L_{eq}$ ) noise level descriptor/standard, it was assumed that 1 heavy fueling truck and 2 medium duty trucks could have store deliveries during the same worst-case hour.

Based on a conservative 1 heavy fueling truck and 2 medium truck trips per hour, and SEL's of 83 and 76 dB SEL per passby, the hourly average noise level generated by project delivery truck circulation computes to 49 dB  $L_{eq}$  at a reference distance of 50 feet from the passby route during the worst-case hour of deliveries. Assuming standard spherical spreading loss (-6 dB per doubling of distance), retail-related on-site delivery truck circulation noise exposure at the nearest existing residential uses was calculated. The results of those calculations are presented in Table 8.

**Table 8  
Predicted On-Site Delivery Truck Circulation Noise Levels at Existing Sensitive Uses**

Receiver <sup>1</sup>	Distance from On-Site Truck Circulation (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>
Existing Residential – West	340	<20
<sup>1</sup> Residential uses are shown in Figure 1. <sup>2</sup> Distance scaled from on-site truck circulation route to property line of residential use using provided site plans. <sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8' sound wall (-7 dB) and proposed intervening buildings (-7 dB). Source: Bollard Acoustical Consultants, Inc. (2021)		

The Table 8 data indicate that retail-related on-site delivery truck circulation noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB L<sub>eq</sub> exterior noise level standard at the nearest existing residential uses to the west.

Noise measurement site LT-1 on Figure 1 was selected to be representative of the ambient noise level environment at the nearest existing residential uses to the west of the proposed retail use. The Table 5 data indicate that measured daytime hourly average noise levels at site LT-1 ranged from 49 to 52 (arithmetic mean of 50 dB L<sub>eq</sub>). The Table 5 data also indicate that measured nighttime hourly average noise levels ranged from 48 to 50 dB L<sub>eq</sub> (arithmetic mean of 49 dB L<sub>eq</sub>). According to the FICON increase significance criteria (Table 1), a 5 dB increase in noise levels due to project on-site activities would be required for a finding of a significant impact.

Given the arithmetic means of measured daytime and nighttime hourly average noise levels cited above, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB L<sub>eq</sub> (during daytime hours) or 54 dB L<sub>eq</sub> (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient). Based on the data presented in Table 8, the increases in ambient daytime and nighttime noise levels resulting from project on-site delivery truck circulation are calculated to be less than 0.1 dB L<sub>eq</sub> at the nearest existing residential use to the west.

Because noise exposure from proposed retail use on-site delivery truck circulation is predicted to satisfy applicable Dixon Municipal Code noise level standard at the nearest existing sensitive land uses, and because noise level exposure from on-site delivery truck circulation is not expected to significantly increase ambient noise levels at those uses relative to the FICON criteria, this impact is identified as being **less than significant**.

**Impact 4: Retail Truck Delivery Activity Noise at Existing Sensitive Uses**

As mentioned previously, it is the experience of BAC that deliveries of product to convenience stores such as the one proposed by the project occur at the front of the store with medium-duty vendor trucks/vans. The primary noise sources associated with delivery activities are trucks stopping (air brakes), trucks backing into position (back-up alarms), and pulling away from the loading/unloading area (revving engines). The location of the convenience store is shown on Figure 3.

For a conservative assessment of daily truck delivery noise levels at the proposed convenience store, it was assumed that 4 medium duty trucks/vans would deliver products to the store on a typical busy day. For the purposes of predicting hourly average noise levels for comparison against the hourly average ( $L_{eq}$ ) noise level descriptor/standard, it was assumed that 2 medium duty trucks could have store deliveries during the same worst-case hour.

BAC file data indicate that noise levels associated with medium-duty truck deliveries (including side-step vans) are approximately 76 dB SEL at a distance of 100 feet. Based on 2 medium duty truck deliveries during any given hour and an SEL of 76 dB, the hourly average noise level computes to 43 dB  $L_{eq}$  at a reference distance of 100 feet during the worst-case hour of deliveries. Assuming standard spherical spreading loss (-6 dB per doubling of distance), and a reference noise level of 43 dB  $L_{eq}$  at 100 feet, on-site truck delivery operations noise exposure at the nearest existing residential uses was calculated and the results of those calculations are presented in Table 9.

**Table 9  
Predicted Truck Delivery Activity Noise Levels at Existing Sensitive Uses**

Receiver <sup>1</sup>	Distance from Truck Delivery Area (ft) <sup>2</sup>	Predicted Noise Level, $L_{eq}$ (dB) <sup>3</sup>
Existing Residential – West	340	<20
<sup>1</sup> Residential uses are shown in Figure 1. <sup>2</sup> Distance scaled from truck delivery area to property line of residential use using provided site plans. <sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8' sound wall (-7 dB) and proposed intervening buildings (-7 dB). Source: Bollard Acoustical Consultants, Inc. (2021)		

As indicated in Table 9, retail-related delivery truck activity noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB  $L_{eq}$  exterior noise level standard at the nearest existing residential uses to the west.

Noise measurement site LT-1 on Figure 1 was selected to be representative of the ambient noise level environment at the nearest existing residential uses to the west of the proposed retail use. The Table 5 data indicate that measured daytime hourly average noise levels at site LT-1 ranged from 49 to 52 (arithmetic mean of 50 dB  $L_{eq}$ ). The Table 5 data also indicate that measured nighttime hourly average noise levels ranged from 48 to 50 dB  $L_{eq}$  (arithmetic mean of 49 dB  $L_{eq}$ ). According to the FICON increase significance criteria (Table 1), a 5 dB increase in noise levels due to project on-site activities would be required for a finding of a significant impact.

Given the arithmetic means of measured daytime and nighttime hourly average noise levels cited above, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient). Based on the data presented in Table 9, the increases in ambient daytime and nighttime noise levels resulting from retail delivery truck activity are calculated to be less than 0.1 dB  $L_{eq}$  at the nearest existing residential use to the west.

Because noise exposure from proposed retail use delivery truck activities is predicted to satisfy applicable Dixon Municipal Code noise level standard at the nearest existing sensitive land uses, and because noise level exposure from delivery truck activities is not expected to significantly increase ambient noise levels at those uses relative to the FICON criteria, this impact is identified as being *less than significant*.

**Impact 5: Retail Rooftop Mechanical Equipment Noise at Existing Sensitive Uses**

Heating, ventilating, and air conditioning (HVAC) requirements for the proposed convenience store will most likely be met using packaged roof-mounted systems. As a means of determining potential noise exposure due to rooftop mechanical equipment, BAC utilized reference file data collected for previous studies. BAC reference file data for HVAC systems indicate that a 12.5-ton packaged unit can be expected to generate an A-weighted sound power level of 85 dB. Using this sound power data, and assuming standard spherical spreading loss (-6 dB per doubling of distance), convenience store HVAC equipment noise exposure at the nearest existing residential uses was calculated and the results of those calculations are presented in Table 10.

**Table 10  
Predicted HVAC Equipment Noise Levels at Existing Sensitive Uses**

Receiver <sup>1</sup>	Distance from Building (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>
Existing Residential – West	260	37
<sup>1</sup> Residential uses are shown in Figure 1. <sup>2</sup> Distance scaled from convenience store building to property line of residential use using provided site plans. <sup>3</sup> No barrier offsets were applied to predicted noise level due to elevated position of equipment. <i>Source: Bollard Acoustical Consultants, Inc. (2021)</i>		

The Table 10 data indicate that retail-related HVAC equipment noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB L<sub>eq</sub> exterior noise level standard at the nearest existing residential uses to the west.

Noise measurement site LT-1 on Figure 1 was selected to be representative of the ambient noise level environment at the nearest existing residential uses to the west of the proposed retail use. The Table 5 data indicate that measured daytime hourly average noise levels at site LT-1 ranged from 49 to 52 (arithmetic mean of 50 dB L<sub>eq</sub>). The Table 5 data also indicate that measured nighttime hourly average noise levels ranged from 48 to 50 dB L<sub>eq</sub> (arithmetic mean of 49 dB L<sub>eq</sub>). According to the FICON increase significance criteria (Table 1), a 5 dB increase in noise levels due to project on-site activities would be required for a finding of a significant impact.

Given the arithmetic means of measured daytime and nighttime hourly average noise levels cited above, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB L<sub>eq</sub> (during daytime hours) or 54 dB L<sub>eq</sub> (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient). Based on the data presented in Table 10, the increases in ambient daytime and nighttime noise levels resulting from convenience store HVAC equipment are calculated to be 0.2 dB L<sub>eq</sub> and 0.3 dB L<sub>eq</sub> (respectively) at the nearest existing residential use to the west.

Because noise exposure from proposed retail HVAC equipment is predicted to satisfy applicable Dixon Municipal Code noise level standard at the nearest existing sensitive land uses, and because HVAC equipment noise level exposure is not expected to significantly increase ambient noise levels at those uses relative to the FICON criteria, this impact is identified as being **less than significant**.

**Impact 6: Retail Vacuum System Noise at Existing Sensitive Uses**

A vehicle vacuum area is proposed to be located adjacent to a car wash tunnel within the retail component. The location of the proposed vacuum area is shown on Figure 3. According to information provided to BAC, the project proposes the installation of four (4) vacuum units manufactured by Industrial Vacuum Systems VacLovers, Inc. The manufacturer’s specifications, provided as Appendix F, indicate that the sound level exposure associated with the vacuum system varies depending on motor type configuration. Specifically, the two configurations shown in the Appendix F data are the Combination and Power Vacuum systems.

For the purposes of this analysis, it was assumed that the four proposed vacuum units would be in operation concurrently and continuously for the duration of an hour (worst-case hour). Based upon the manufacturer’s data, assuming the continuous and concurrent use of the vacuums for a given hour, and assuming standard spherical spreading loss (-6 dB per doubling of distance), project vacuum equipment noise exposure at the nearest existing residential uses was calculated and the results of those calculations are presented in Table 11.

**Table 11  
Predicted Vacuum Equipment Noise Levels at Existing Sensitive Uses**

Receiver <sup>1</sup>	Distance from Vehicle Vacuum Area (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>	
		Combination Configuration	Power Vacuum Configuration
Existing Residential – West	355	36	52

<sup>1</sup> Residential uses are shown in Figure 1.  
<sup>2</sup> Distance scaled from center of vacuum area to property line of residential use using provided site plans.  
<sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8’ sound wall (-7 dB) and proposed intervening buildings (-7 dB).  
 Source: Bollard Acoustical Consultants, Inc. (2021)

As indicated in Table 11, noise level exposure associated with both the Combination and Power Vacuum equipment configurations is predicted to satisfy the applicable Dixon Municipal Code 55 dB L<sub>eq</sub> exterior noise level standard at the nearest existing residential uses to the west.

Noise measurement site LT-1 on Figure 1 was selected to be representative of the ambient noise level environment at the nearest existing residential uses to the west of the proposed retail use. The Table 5 data indicate that measured daytime hourly average noise levels at site LT-1 ranged from 49 to 52 (arithmetic mean of 50 dB L<sub>eq</sub>). The Table 5 data also indicate that measured nighttime hourly average noise levels ranged from 48 to 50 dB L<sub>eq</sub> (arithmetic mean of 49 dB L<sub>eq</sub>). According to the FICON increase significance criteria (Table 1), a 5 dB increase in noise levels due to project on-site activities would be required for a finding of a significant impact.



Given the arithmetic means of measured daytime and nighttime hourly average noise levels cited above, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB Leq (during daytime hours) or 54 dB Leq (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient). Based on the data presented in Table 11, the increases in ambient daytime and nighttime noise levels resulting from vacuum equipment operations in the Combination configuration are calculated to be 0.2 dB Leq at the nearest existing residential use to the west. In addition, the increases in ambient daytime and nighttime noise levels resulting from vacuum equipment operations in the Power Vacuum configuration are calculated to be 4.1 dB Leq and 4.9 dB Leq at the nearest existing residential use to the west.

Although the analysis provided above indicate that noise level exposure associated with the Power Vacuum equipment configuration would not result in an impact at the nearest existing residences, it is recommended that the project utilize the quieter Combination vacuum unit configuration. Nonetheless, because noise exposure from proposed retail vacuum equipment operation is predicted to satisfy applicable Dixon Municipal Code noise level standard at the nearest existing sensitive land uses, and because noise level exposure from the vacuum equipment is not expected to significantly increase ambient noise levels at those uses relative to the FICON criteria, this impact is identified as being **less than significant**.

**Impact 7: Retail Car Wash Drying Assembly Noise at Existing Sensitive Uses**

The project proposes the construction and operation of a two-lane car wash tunnel within the retail component at the location shown on Figure 3. According to the project applicant, the equipment selected for the project is a 3-Motor Whisper Package drying assembly manufactured by International Drying Corporation. The manufacturer’s sound level data for the proposed drying system is provided as Appendix G and are summarized below in Table 12.

**Table 12  
3-Motor Whisper Package Drying Assembly Sound Level Data**

Exit End					Entrance End				
dBA at distance (ft)					dBA at distance (ft)				
5	10	20	30	65	5	10	20	30	65
84	80	75	71	65	76	72	68	65	61
Source: International Drying Corporation, Sound Level Readings for 3 Motor Whisper Package									

As indicated in Table 12, the noise level generation of the car wash drying assembly varies depending on the distance from the tunnel entrance/exit ends. However, it is the experience of BAC in previous car wash projects that drying assembly noise levels also vary depending on orientation of the measurement position relative to the tunnel openings. Worst-case drying assembly noise levels occur at a position directly facing the car wash exit, considered to be 0 degrees off-axis. At off-axis positions, the car wash building facade provides varying degrees of noise level reduction. At positions 45 degrees off-axis relative to the building facade of the car wash exit and entrance, drying assembly noise levels are approximately 5 dB lower. At 90 degrees off-axis, drying assembly noise levels are approximately 10 dB lower.

The equipment noise level data provided in Table 12 are in terms of maximum ( $L_{max}$ ) sound levels. It is the experience of BAC that average car wash cycles are approximately 5 minutes in duration, with the dryers operating during the last 1 minute of the cycle. Therefore, during a worst-case hour, it is calculated that the car wash would go through 12 full cycles and the dryer would operate for approximately 12 minutes during a busy hour. Based on the above operations assumptions, the resulting hourly average ( $L_{eq}$ ) drying assembly noise levels would be approximately 7 dB less than the maximum levels provided in Table 12.

The following predicted car wash drying assembly noise levels presented below are based on the manufacturer’s reference noise level data provided in Table 12 and include offsets associated with the orientation to tunnel entrance/exit, as discussed above. Noise attenuation due to distance was calculated based on standard spherical spreading loss from a point source (-6 dB per doubling of distance from a stationary noise source). Car wash drying assembly noise exposure at the nearest existing residential uses was calculated and the results of those calculations are presented in Table 13. For the purposes of this analysis, it was assumed that two car wash drying assemblies (dual tunnel configuration) would be in operation concurrently for the duration of an hour (worst-case hour).

**Table 13  
Predicted Car Wash Drying Assembly Noise Levels at Existing Sensitive Uses**

<b>Receiver<sup>1</sup></b>	<b>Distance from Car Wash Tunnel (ft)<sup>2</sup></b>	<b>Predicted Noise Level, <math>L_{eq}</math> (dB)<sup>3</sup></b>
Existing Residential – West	320	29
<sup>1</sup> Residential uses are shown in Figure 1. <sup>2</sup> Distance scaled from tunnel entrance to property line of residential use using provided site plans. <sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8’ sound wall (-7 dB) and proposed intervening buildings (-7 dB). <i>Source: Bollard Acoustical Consultants, Inc. (2021)</i>		

The Table 13 data indicate that car wash drying assembly noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB  $L_{eq}$  exterior noise level standard at the nearest existing residential uses to the west.

Noise measurement site LT-1 on Figure 1 was selected to be representative of the ambient noise level environment at the nearest existing residential uses to the west of the proposed retail use. The Table 5 data indicate that measured daytime hourly average noise levels at site LT-1 ranged from 49 to 52 (arithmetic mean of 50 dB  $L_{eq}$ ). The Table 5 data also indicate that measured nighttime hourly average noise levels ranged from 48 to 50 dB  $L_{eq}$  (arithmetic mean of 49 dB  $L_{eq}$ ). According to the FICON increase significance criteria (Table 1), a 5 dB increase in noise levels due to project on-site activities would be required for a finding of a significant impact.

Given the arithmetic means of measured daytime and nighttime hourly average noise levels cited above, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient). Based on the data presented in Table 13, the increase in ambient daytime and

nighttime noise levels resulting from car wash drying system operations is calculated to be less than 0.1 dB  $L_{eq}$  at the nearest existing residential use to the west.

Because noise exposure from the proposed retail car wash drying assembly is predicted to satisfy applicable Dixon Municipal Code noise level standard at the nearest existing sensitive land uses, and because car wash drying assembly noise level exposure is not expected to significantly increase ambient noise levels at those uses relative to the FICON criteria, this impact is identified as being *less than significant*.

**Impact 8: Cumulative Retail Operations Noise at Existing Sensitive Uses**

The calculated cumulative (combined) noise level exposure from analyzed on-site noise sources at the nearest existing residential uses is presented in Table 14. It should be noted that due to the logarithmic nature of the decibel scale, the sum of two noise values which differ by 10 dB equates to an overall increase in noise levels of 0.4 dB. When the noise sources are equivalent, the sum would result in an overall increase in noise levels of 3 dB.

**Table 14**  
**Predicted Cumulative Retail Operations Noise Levels at Existing Sensitive Uses**

Receiver	Predicted Noise Levels, $L_{eq}$ (dB)						Calculated Cumulative $L_{eq}$ (dB) <sup>2</sup>
	On-Site Vehicle Circ.	On-Site Truck Circ.	Delivery Truck	HVAC	Vacuums <sup>1</sup>	Car Wash Dryers	
Existing Residential – West	20	18	19	37	36	29	40
<sup>1</sup> Vacuum noise levels reflect the quieter Combination equipment configuration. <sup>2</sup> Calculated cumulative noise levels based on predicted noise levels presented in Impacts 2-7. Source: Bollard Acoustical Consultants, Inc. (2021)							

As indicated in Table 14, the calculated cumulative (combined) noise level exposure from retail-related on-site noise sources would satisfy the Dixon Municipal Code 55 dB  $L_{eq}$  exterior noise level standard at the nearest existing residential uses to the west.

Noise measurement site LT-1 on Figure 1 was selected to be representative of the ambient noise level environment at the nearest existing residential uses to the west of the proposed retail use. The Table 5 data indicate that measured daytime hourly average noise levels at site LT-1 ranged from 49 to 52 (arithmetic mean of 50 dB  $L_{eq}$ ). The Table 5 data also indicate that measured nighttime hourly average noise levels ranged from 48 to 50 dB  $L_{eq}$  (arithmetic mean of 49 dB  $L_{eq}$ ). According to the FICON increase significance criteria (Table 1), a 5 dB increase in noise levels due to project on-site activities would be required for a finding of a significant impact.

Given the arithmetic means of measured daytime and nighttime hourly average noise levels cited above, and based on the FICON criteria, a significant noise impact would be identified if predicted project-generated hourly average noise levels would exceed either 55 dB  $L_{eq}$  (during daytime hours) or 54 dB  $L_{eq}$  (during nighttime hours) at the existing residential uses to the west (i.e., 5 dB above ambient). Based on the data presented in Table 14, the increase in ambient daytime and nighttime noise levels resulting from combined on-site noise sources is calculated to be 0.4 dB  $L_{eq}$  and 0.5 dB  $L_{eq}$  (respectively) at the nearest existing residential use to the west.

Because cumulative (combined) noise level exposure from retail on-site noise sources is calculated to satisfy applicable Dixon Municipal Code noise level standard at the nearest existing sensitive land uses, and because cumulative noise level exposure is not expected to significantly increase ambient noise levels at those uses relative to the FICON criteria, this impact is identified as being *less than significant*.

## **Noise Impacts Associated with Project Construction Activities**

### **Impact 9: Project Construction Noise Levels at Existing Sensitive Uses**

During project construction, heavy equipment would be used for grading excavation, paving, and building construction, which would increase ambient noise levels when in use. Noise levels would vary depending on the type of equipment used, how it is operated, and how well it is maintained. Noise exposure at any single point outside the project work area would also vary depending upon the proximity of equipment activities to that point. The property lines of the nearest existing sensitive uses (west of the project) are located approximately 20 feet away from where construction activities could occur within the project area.

Table 15 includes the range of maximum noise levels for equipment commonly used in general construction projects at full-power operation at a distance of 50 feet. Not all of these construction activities would be required of this project. The Table 15 data also include predicted maximum equipment noise levels at the property lines of the nearest existing uses located 20 feet away, which assumes a standard spherical spreading loss of 6 dB per doubling of distance.

**Table 15**  
**Construction Equipment Reference and Projected Noise Levels Noise Levels**

Equipment Description	Maximum Noise Level at 50 Feet (dB)	Predicted Maximum Noise Level at 20 Feet (dB)
Air compressor	80	88
Backhoe	80	88
Ballast equalizer	82	90
Ballast tamper	83	91
Compactor	82	90
Concrete mixer	85	93
Concrete pump	82	90
Concrete vibrator	76	84
Crane, mobile	83	91
Dozer	85	93
Generator	82	93
Grader	85	90
Impact wrench	85	93
Loader	80	93
Paver	85	88
Pneumatic tool	85	93
Pump	77	93
Saw	76	85
Scarifier	83	84
Scraper	85	91
Shovel	82	93
Spike driver	77	90
Tie cutter	84	85
Tie handler	80	92
Tie inserter	85	88
Truck	84	93

*Source: Federal Transit Administration Noise and Vibration Impact Assessment Manual, Table 7-1 (2020)*

Based on the equipment noise levels in Table 15, noise levels from project construction are calculated to range from 84 to 93 dB at the property lines of the nearest existing off-site uses. As mentioned previously, not all of these construction activities would be required of this project.

As noted in the Regulatory Setting Section of this report, Section 18.28.050(C) of the Dixon Municipal Code exempts sound from temporary construction activities. It is the experience of BAC that construction activities associated with the development of residential and retail uses are typically considered to be short-term and/or temporary in nature. Provided that the City of Dixon considers construction activities associated with the project to be temporary, project construction activities would be exempt, and this impact would be considered less than significant. However, if the City of Dixon does not consider project construction activities to be temporary as defined in Municipal Code Section 18.28.050(C), noise levels generated by some construction activities could exceed the applicable Municipal Code exterior maximum noise level standard at the nearest residential uses to the west. As a result, noise impacts associated with construction activities are identified as being **potentially significant**.

### Mitigation Impact 9: Construction Noise Control Measures

**MM-9:** To the maximum extent practical, the following measures should be incorporated into the project construction operations:

- The project shall utilize temporary construction noise control measures including the use of temporary noise barriers, or other appropriate measures as mitigation for noise generated during construction of projects.
- All noise-producing project equipment and vehicles using internal-combustion engines shall be equipped with manufacturers-recommended mufflers and be maintained in good working condition.
- All mobile or fixed noise-producing equipment used on the project site that are regulated for noise output by a federal, state, or local agency shall comply with such regulations while in the course of project activity.
- Electrically powered equipment shall be used instead of pneumatic or internal-combustion-powered equipment, where feasible.
- Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise-sensitive receptors.
- Project area and site access road speed limits shall be established and enforced during the construction period.
- Nearby residences shall be notified of construction schedules so that arrangements can be made, if desired, to limit their exposure to short-term increases in ambient noise levels.

**Significance of Impact 9 after Mitigation: *Less than Significant***

### **Vibration Impacts Associated with Project Activities**

#### **Impact 10: Project Construction and Operations Vibration at Existing Sensitive Uses**

During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of the construction. The nearest existing sensitive receptors have been identified as residential structures (west of the project) located approximately 40 feet from construction activities which would occur within the project area. Table 16 includes the range of vibration levels for equipment commonly used in general construction projects at a distance of 25 feet. The Table 16 data also include predicted equipment vibration levels at the nearest existing residences to the project area located approximately 40 feet away.

**Table 16**  
**Vibration Source Levels for Construction Equipment and Predicted Levels at 40 Feet**

Equipment	Maximum Vibration Level at 25 Feet (PPV) <sup>1</sup>	Predicted Maximum Vibration Level at 40 Feet (PPV)
Large bulldozer	0.089	0.044
Hoe ram	0.089	0.044
Caisson drilling	0.089	0.044
Loaded trucks	0.076	0.038
Backhoe	0.051	0.025
Excavator	0.051	0.025
Grader	0.051	0.025
Loader	0.051	0.025
Jackhammer	0.035	0.017
Small bulldozer	0.003	0.001
<sup>1</sup> PPV = Peak Particle Velocity Source: 2020 FTA Transit Noise and Vibration Impact Assessment Manual and BAC calculations		

As shown in Table 16, vibration levels generated from on-site construction activities at the nearest existing sensitive structures located approximately 40 feet away (residences) are predicted to be well below the strictest Caltrans thresholds for damage to residential structures of 0.30 in/sec PPV shown in Table 2. Further, construction activities are not expected to result in adverse human response relative to the vibration annoyance criteria as defined by Caltrans in Table 3. Therefore, on-site construction within the project area is not expected to result in excessive groundborne vibration levels at nearby existing sensitive uses.

Results from the BAC vibration survey on June 14<sup>th</sup>, 2021, indicate that that measured average vibration levels were well below the strictest Caltrans thresholds for damage to structures and thresholds for annoyance. Therefore, it is expected that the project would not result in the exposure of persons to excessive groundborne vibration levels at proposed uses of the project.

Finally, the project proposes the development of residential and retail uses. It is the experience of BAC that residential and retail uses do not typically have equipment that generates appreciable vibration. Further, it is our understanding that the project does not propose equipment that will produce appreciable vibration.

Because vibration levels due to and upon the project will satisfy the applicable Caltrans groundborne impact vibration criteria, this impact is identified as being **less than significant**.

### Noise Impacts Upon the Development

The California Supreme Court issued an opinion in *California Building Industry Association v. Bay Area Air Quality Management District (2015)* holding that CEQA is primarily concerned with the impacts of a project on the environment and generally does not require agencies to analyze the impact of existing conditions on a project's future users or residents. Nevertheless, the City of Dixon has policies that address existing/future conditions affecting the proposed project, which are discussed in the following section.



**Impact 11: Future Exterior Traffic Noise Levels at Proposed Residential Uses**

The FHWA Model was used with future traffic data to predict future SR-113 and Vaughn Road traffic noise levels at the proposed residential uses of the development. The future average daily traffic (ADT) volume for SR-113 was conservatively estimated by increasing the existing ADT volume by a factor of 50%. The existing ADT volume for SR-113 was obtained from published 2019 Caltrans traffic data. The day/night distribution, truck percentages, and estimated future traffic speed assumptions for SR-113 were derived from Caltrans and BAC file data for similar roadways.

Traffic data for Vaughn Road was obtained from data published by the City of Dixon Traffic Engineering Department. However, the most recent traffic data available for Vaughn Road is from 2007. As a result, a future traffic volume for Vaughn Road was conservatively estimated by assuming an increase in traffic by a factor of 3 relative to the reported 2007 traffic data. The day/night distribution, truck percentages, and estimated future traffic speed assumptions for Vaughn Road were derived from BAC file data for similar roadways.

A complete listing of FHWA Model inputs and results for SR-113 and Vaughn Road are provided in Appendix H. The predicted future traffic noise levels at the development are summarized in Table 17.

**Table 17  
Predicted Future Exterior Traffic Noise Levels at Proposed Residential Uses<sup>1</sup>**

Roadway	Location Description	Offset (dB) <sup>2,3</sup>	Future Exterior DNL (dB)
SR-113	Nearest backyards	-3	65
	Nearest first-floor building facades		70
	Nearest upper-floor building facades	+2	72
Vaughn Rd	Nearest backyards	-3	61
	Nearest first-floor building facades		64
	Nearest upper-floor building facades	+2	66

<sup>1</sup> Complete listings of FHWA Model inputs are provided as Appendix H.  
<sup>2</sup> A -3 dB offset was applied at backyards for reduced view of roadway resulting from proposed buildings.  
<sup>3</sup> A +2 dB offset was applied at upper-floors for reduced ground absorption at elevated locations.  
 Source: Bollard Acoustical Consultants, Inc. (2021)

As indicated in Table 17, future Vaughn Road and SR-113 traffic noise level exposure at the nearest residential outdoor activity areas (backyards) would exceed the Dixon General Plan 60 dB DNL exterior noise level standard for residential uses. As a result, this impact is identified as being **potentially significant**.

Mitigation Impact 11:

To reduce future traffic noise level exposure to a state of compliance with the applicable Dixon General Plan exterior noise level limit for residential uses, implementation of the following noise mitigation measure would be required:

**MM-11:** The construction of 6-foot-tall traffic noise barriers at the locations shown on Figure 2. Appendix I contains the inputs and results from the barrier analysis. As indicated in Appendix I, the construction of 6-foot-tall noise barriers at the locations on Figure 2 is calculated to reduce future SR-113 and Vaughn Road traffic noise level exposure to 60 dB DNL or less at the nearest proposed backyards and would satisfy the applicable General Plan 60 dB DNL exterior noise level standard.

The traffic noise barriers could take the form of a masonry wall, earthen berm, or combination of the two. Other materials may be acceptable but should be reviewed by an acoustical consultant prior to construction.

**Significance of Impact 11 after Mitigation: *Less than Significant***

**Impact 12: Future Interior Traffic Noise Levels within Proposed Residential Uses**

After implementation of Mitigation Measure 11 (6-foot-tall traffic noise barriers), future exterior SR-113 and Vaughn Road traffic noise levels are predicted to be 60 dB DNL or less at the first-floor facades of the residences constructed nearest to the roadways. Due to reduced ground absorption at elevated positions and lack of shielding by the noise barriers, future traffic noise levels are predicted to range from 66 dB DNL to 72 dB DNL at the upper-floor facades of those residences. To satisfy the Dixon General Plan 45 dB DNL interior noise level standard, minimum noise reductions of 15 dB and 27 dB would be required of the first- and upper-floor building facades (respectively) of the residences constructed adjacent to the roadways.

Standard building construction (stucco siding, STC-27 windows, door weather-stripping, exterior wall insulation, composition plywood roof), typically results in an exterior to interior noise reduction of approximately 25 dB with windows closed and approximately 15 dB with windows open. Therefore, standard construction practices would be adequate for first-floor facades nearest to the roadways but would fail to provide adequate noise level reduction within the upper-floor rooms of residences closest to SR-113. As a result, this impact is identified as being **potentially significant**.

Mitigation Impact 12:

To reduce future traffic noise level exposure to a state of compliance with the applicable Dixon General Plan interior noise level limit for residential uses, implementation of the following noise mitigation measure would be required:

**MM-12:** All upper-floor windows of the residences identified on Figure 2 with a view of SR-113 (i.e., north-, south- and east-facing windows) should be upgraded to a minimum Sound Transmission Class (STC) rating of 32. In addition, mechanical ventilation (air conditioning) should be provided to all residences of the development allow the occupants to close doors and windows as desired for additional acoustical isolation.

**Significance of Impact 12 after Mitigation: *Less than Significant***

**Impact 13: Retail On-Site Vehicle Circulation Noise at Proposed Residential Uses**

An analysis of on-site vehicle circulation noise exposure at existing sensitive uses was presented in **Impact 2**. Using the same methodology identified in **Impact 2**, on-site vehicle circulation noise levels were predicted at the nearest proposed residential uses of the development. The results of that analysis are provided below in Table 18.

**Table 18  
Predicted Worst-Case On-Site Traffic Circulation Noise Levels at Proposed Residential Uses**

Receiver <sup>1</sup>	Distance from On-Site Vehicle Circulation (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>
Proposed Residential – West	75	36
Proposed Residential – South	170	30

<sup>1</sup> Locations of residential uses are shown in Figure 3.  
<sup>2</sup> Distance scaled from on-site vehicle circulation route to property line of residential use using provided site plans.  
<sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8' sound wall (-7 dB).  
 Source: Bollard Acoustical Consultants, Inc. (2021)

As indicated in Table 18, worst-case retail-related on-site traffic circulation noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB L<sub>eq</sub> exterior noise level standard at the nearest proposed residential uses. As a result, this impact is identified as being **less than significant**.

**Impact 14: Retail On-Site Delivery Truck Circulation Noise at Proposed Residential Uses**

An analysis of on-site delivery truck circulation noise exposure at existing sensitive uses was presented in **Impact 3**. Using the same methodology identified in **Impact 3**, on-site delivery truck circulation noise levels were predicted at the nearest proposed residential uses of the development. The results of that analysis are provided below in Table 19.

**Table 19  
Predicted On-Site Delivery Truck Noise Levels at Proposed Residential Uses**

Receiver <sup>1</sup>	Distance from On-Site Truck Circulation (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>
Proposed Residential – West	115	35
Proposed Residential – South	170	31

<sup>1</sup> Locations of residential uses are shown in Figure 3.  
<sup>2</sup> Distance scaled from on-site truck circulation route to property lines of residential uses using provided site plans.  
<sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8' sound wall (-7 dB).  
 Source: Bollard Acoustical Consultants, Inc. (2021)

The Table 19 data indicate that retail-related on-site delivery truck circulation noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB L<sub>eq</sub> exterior noise level standard at the nearest proposed residential uses. As a result, this impact is identified as being **less than significant**.

**Impact 15: Retail Truck Delivery Activity Noise at Proposed Residential Uses**

An analysis of on-site truck delivery activity noise exposure at existing sensitive uses was presented in **Impact 4**. Using the same methodology identified in **Impact 4**, on-site truck delivery activity noise levels were predicted at the nearest proposed residential uses of the development. The results of that analysis are provided below in Table 20.

**Table 20  
Predicted Truck Delivery Activity Noise Levels at Proposed Residential Uses**

Receiver <sup>1</sup>	Distance from Truck Delivery Area (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>
Proposed Residential – West	120	35
Proposed Residential – South	300	27

<sup>1</sup> Locations of residential uses are shown in Figure 3.  
<sup>2</sup> Distance scaled from delivery area to property lines of residential uses using provided site plans.  
<sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8' sound wall (-7 dB).  
 Source: Bollard Acoustical Consultants, Inc. (2021)

As indicated in Table 20, retail-related truck delivery activity noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB L<sub>eq</sub> exterior noise level standard at the nearest proposed residential uses. As a result, this impact is identified as being **less than significant**.

**Impact 16: Retail Rooftop Mechanical Equipment Noise at Proposed Residential Uses**

An analysis of retail rooftop mechanical equipment (HVAC) noise exposure at existing sensitive uses was presented in **Impact 5**. Using the same methodology identified in **Impact 5**, HVAC equipment noise levels were predicted at the nearest proposed residential uses of the development. The results of that analysis are provided below in Table 21.

**Table 21  
Predicted HVAC Equipment Noise Levels at Proposed Residential Uses**

Receiver <sup>1</sup>	Distance from Building (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>
Proposed Residential – West	50	51
Proposed Residential – South	290	36

<sup>1</sup> Locations of residential uses are shown in Figure 3.  
<sup>2</sup> Distance scaled from convenience store building to property lines of residential uses using provided site plans.  
<sup>3</sup> No barrier offset was applied to predicted noise levels due to elevated position of equipment.  
 Source: Bollard Acoustical Consultants, Inc. (2021)

The Table 21 data indicate that retail-related HVAC equipment noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB L<sub>eq</sub> exterior noise level standard at the nearest proposed residential uses. As a result, this impact is identified as being **less than significant**.

**Impact 17: Retail Vacuum System Noise at Proposed Residential Uses**

An analysis of retail vacuum system noise exposure at existing sensitive uses was presented in **Impact 6**. Using the same methodology identified in **Impact 6**, vehicle vacuum equipment noise levels were predicted at the nearest proposed residential uses of the development. The results of that analysis are provided below in Table 22.

**Table 22  
Predicted Vacuum Equipment Noise Levels at Proposed Residential Uses**

Receiver <sup>1</sup>	Distance from Vacuum Area (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>	
		Combination Configuration	Power Vacuum Configuration
Proposed Residential – West	150	50	66
Proposed Residential – South	120	52	68

<sup>1</sup> Locations of residential uses are shown in Figure 3.  
<sup>2</sup> Distance scaled from center of vacuum area to property lines of residential uses using provided site plans.  
<sup>3</sup> Predicted noise level includes offsets to account for shielding provided by a proposed 8' sound wall (-7 dB).  
 Source: Bollard Acoustical Consultants, Inc. (2021)

As indicated in Table 22, noise level exposure associated with the Combination vacuum system configuration is predicted to satisfy the applicable Dixon Municipal Code 55 dB L<sub>eq</sub> exterior noise level standard at the nearest proposed residential uses but would exceed the criterion with the Power Vacuum system configuration. As a result, it is recommended that the project utilize the Combination vacuum system configuration to comply with the General Plan’s exterior noise level standard. Provided that the project design includes the installation of the Combination vacuum system configuration, this impact is identified as being **less than significant**.

**Impact 18: Retail Car Wash Drying Assembly Noise at Proposed Residential Uses**

An analysis of retail car wash drying assembly noise exposure at existing sensitive uses was presented in **Impact 7**. Using the same methodology identified in **Impact 7**, car wash drying assembly noise levels were predicted at the nearest proposed residential uses of the development. The results of that analysis are provided below in Table 23.

**Table 23  
Predicted Car Wash Drying Assembly Noise Levels at Proposed Residential Uses**

Receiver <sup>1</sup>	Distance from Car Wash Tunnel (ft) <sup>2</sup>	Predicted Noise Level, L <sub>eq</sub> (dB) <sup>3</sup>
Proposed Residential – West	110	52
Proposed Residential – South	70	50

<sup>1</sup> Locations of residential uses are shown in Figure 3.  
<sup>2</sup> Distance scaled from tunnel entrance/exit to property lines of residential uses using provided site plans.  
<sup>3</sup> No barrier offset was applied to predicted noise levels due to elevated position of equipment.  
 Source: Bollard Acoustical Consultants, Inc. (2021)

The Table 23 data indicate that retail-related car wash drying assembly noise level exposure is predicted to satisfy the applicable Dixon Municipal Code 55 dB  $L_{eq}$  exterior noise level standard at the nearest proposed residential uses. As a result, this impact is identified as being ***less than significant***.

**Impact 19: Cumulative Retail Operations Noise at Proposed Residential Uses**

The calculated cumulative (combined) noise level exposure from analyzed on-site noise sources at the nearest proposed residential uses is presented in Table 24. It should be noted that due to the logarithmic nature of the decibel scale, the sum of two noise values which differ by 10 dB equates to an overall increase in noise levels of 0.4 dB. When the noise sources are equivalent, the sum would result in an overall increase in noise levels of 3 dB.

**Table 24**  
**Predicted Cumulative Retail Operations Noise Levels at Proposed Residential Uses**

Receiver	Predicted Noise Levels, $L_{eq}$ (dB)						Calculated Cumulative $L_{eq}$ (dB) <sup>2</sup>
	On-Site Vehicle Circ.	On-Site Truck Circ.	Delivery Truck	HVAC	Vacuums <sup>1</sup>	Car Wash Dryers	
Proposed Residential – West	36	35	35	51	50	52	55
Proposed Residential – South	30	31	27	36	52	50	55

<sup>1</sup> Vacuum noise levels reflect the quieter Combination equipment configuration.  
<sup>2</sup> Calculated cumulative noise levels based on predicted noise levels presented in Impacts 13-18.  
Source: Bollard Acoustical Consultants, Inc. (2021)

As indicated in Table 24, the calculated combined noise level exposure from retail operations is predicted to satisfy the applicable Dixon Municipal Code 55 dB Leq exterior noise level standard at the nearest proposed residential uses. As a result, this impact is identified as being **less than significant**.

#### **Impact 20: Industrial Operations Noise at Proposed Residential Uses**

An existing industrial use is located to the south of the proposed development (Dependable Heating and Air Conditioning). The location of the existing industrial use is shown on Figure 1. According to BAC field observations, the industrial use consists of a storage yard, warehouse and loading dock.

Noise measurement site LT-3 was specifically selected to capture noise levels associated with the adjacent industrial operations at the project property line. According to information obtained online, the hours of operation for the industrial business (Dependable Heating and Air Conditioning) are Monday through Friday from 8:00 a.m. to 5:00 p.m. In the analysis of the ambient data contained in Appendices C & D, it was revealed measured hourly average noise levels at site LT-3 ranged from 43 dB Leq to 55 dB Leq during the hours of 8:00 a.m. to 5:00 p.m. throughout the 96-hour monitoring effort. The BAC ambient noise monitoring survey included days in which the industrial business conducted normal operations (Thursday and Friday).

Although measured hourly average noise levels at site LT-3 did not exceed the Dixon Municipal Code 55 dB Leq exterior noise level standard, measured noise levels at this location did meet the limit. In addition, it is possible that noise levels associated with future operations at Dependable Heating and Air Conditioning could potentially exceed the Municipal Code noise level limit at the project site. Finally, there is no guarantee that noise levels associated with other potential future industrial businesses at this location would not result in an exceedance of the noise standard at the nearest proposed residential uses. Based on the information above, and to reduce the potential for an exceedance of the applicable Dixon Municipal Code noise level standard at the nearest proposed residential uses, it is recommended that the project include the construction of a 6-foot-tall solid masonry wall at the location shown on Figure 2. Nonetheless, based on the measured ambient noise level data at the project site, this impact is identified as being **less than significant**.

This concludes BAC's noise and vibration assessment of the Lincoln Square Mixed-Use Development in Dixon, California. Please contact BAC at (530) 537-2328 or [dariog@bacnoise.com](mailto:dariog@bacnoise.com) if you have any comments or questions regarding this report.



## Appendix A Acoustical Terminology

<b>Acoustics</b>	The science of sound.
<b>Ambient Noise</b>	The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.
<b>Attenuation</b>	The reduction of an acoustic signal.
<b>A-Weighting</b>	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
<b>Decibel or dB</b>	Fundamental unit of sound. A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.
<b>CNEL</b>	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by a factor of three and nighttime hours weighted by a factor of 10 prior to averaging.
<b>Frequency</b>	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz.
<b>IIC</b>	Impact Insulation Class (IIC): A single-number representation of a floor/ceiling partition's impact generated noise insulation performance. The field-measured version of this number is the FIIC.
<b>L<sub>dn</sub></b>	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
<b>Leq</b>	Equivalent or energy-averaged sound level.
<b>L<sub>max</sub></b>	The highest root-mean-square (RMS) sound level measured over a given period of time.
<b>Loudness</b>	A subjective term for the sensation of the magnitude of sound.
<b>Masking</b>	The amount (or the process) by which the threshold of audibility is for one sound is raised by the presence of another (masking) sound.
<b>Noise</b>	Unwanted sound.
<b>Peak Noise</b>	The level corresponding to the highest (not RMS) sound pressure measured over a given period of time. This term is often confused with the "Maximum" level, which is the highest RMS level.
<b>RT<sub>60</sub></b>	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
<b>STC</b>	Sound Transmission Class (STC): A single-number representation of a partition's noise insulation performance. This number is based on laboratory-measured, 16-band (1/3-octave) transmission loss (TL) data of the subject partition. The field-measured version of this number is the FSTC.



**Legend**

- [A] Site TC-2: Traffic calibration of SR-113, located approximately 60' from roadway centerline
- [B] Site V-2: Vibration measurement site
- [C] Site LT-2: Long-term noise measurement site along western project property line adjacent to residences
- [D] Site LT-1: Long-term noise measurement site along northwestern project property line adjacent to residences

Lincoln Square Mixed-Use Development  
Dixon, California

Photographs of Survey Locations

Appendix B



**Appendix C-1**  
**Ambient Noise Monitoring Results - Site LT-1**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Thursday, June 10, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	50	78	42	39
1:00 AM	44	61	41	38
2:00 AM	47	62	43	39
3:00 AM	46	63	44	41
4:00 AM	49	61	47	43
5:00 AM	55	75	52	48
6:00 AM	53	63	51	47
7:00 AM	50	63	49	45
8:00 AM	50	69	49	46
9:00 AM	50	62	49	46
10:00 AM	53	67	51	49
11:00 AM	55	70	52	50
12:00 PM	53	61	52	49
1:00 PM	53	75	51	48
2:00 PM	53	69	50	46
3:00 PM	51	65	49	46
4:00 PM	50	64	48	45
5:00 PM	50	64	49	46
6:00 PM	52	72	49	46
7:00 PM	50	75	47	45
8:00 PM	50	69	48	45
9:00 PM	55	81	49	46
10:00 PM	49	69	47	44
11:00 PM	48	72	44	42

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	55	50	52	55	44	50
Lmax (Maximum)	81	61	68	78	61	67
L50 (Median)	52	47	49	52	41	46
L90 (Background)	50	45	46	48	38	42

Computed DNL (dB)	57
% Daytime Energy	71%
% Nighttime Energy	29%

GPS Coordinates	38°28'0.82" N
	121°49'26.70" W

**Appendix C-2**  
**Ambient Noise Monitoring Results - Site LT-1**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Friday, June 11, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	45	59	43	41
1:00 AM	47	64	45	41
2:00 AM	46	61	44	41
3:00 AM	47	68	45	41
4:00 AM	48	64	46	43
5:00 AM	53	74	51	48
6:00 AM	52	68	51	48
7:00 AM	50	71	47	44
8:00 AM	49	65	47	44
9:00 AM	48	64	47	43
10:00 AM	49	72	47	43
11:00 AM	49	60	47	44
12:00 PM	49	62	48	44
1:00 PM	50	65	48	44
2:00 PM	49	65	47	44
3:00 PM	50	71	47	44
4:00 PM	50	73	48	45
5:00 PM	49	65	48	45
6:00 PM	50	67	48	45
7:00 PM	50	71	47	45
8:00 PM	49	64	47	45
9:00 PM	50	71	49	47
10:00 PM	48	60	47	45
11:00 PM	47	65	46	43

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	50	48	49	53	45	49
Lmax (Maximum)	73	60	67	74	59	65
L50 (Median)	49	47	47	51	43	46
L90 (Background)	47	43	44	48	41	43

Computed DNL (dB)	56
% Daytime Energy	63%
% Nighttime Energy	37%

GPS Coordinates	38°28'0.82" N
	121°49'26.70" W

**Appendix C-3**  
**Ambient Noise Monitoring Results - Site LT-1**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Saturday, June 12, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	46	66	44	42
1:00 AM	45	59	44	42
2:00 AM	44	57	43	40
3:00 AM	47	67	43	41
4:00 AM	46	58	44	40
5:00 AM	48	64	47	43
6:00 AM	51	63	50	46
7:00 AM	50	65	48	45
8:00 AM	52	72	51	49
9:00 AM	52	63	52	50
10:00 AM	51	68	50	46
11:00 AM	51	68	48	45
12:00 PM	50	66	47	43
1:00 PM	50	67	47	43
2:00 PM	50	70	46	43
3:00 PM	50	76	47	44
4:00 PM	50	62	48	45
5:00 PM	49	66	48	45
6:00 PM	49	65	47	45
7:00 PM	49	66	47	45
8:00 PM	49	69	47	45
9:00 PM	50	65	49	47
10:00 PM	50	65	49	48
11:00 PM	49	63	49	46

Statistical Summary						
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	52	49	50	51	44	48
Lmax (Maximum)	76	62	67	67	57	62
L50 (Median)	52	46	48	50	43	46
L90 (Background)	50	43	45	48	40	43

Leq (Average)
Lmax (Maximum)
L50 (Median)
L90 (Background)

Computed DNL (dB)	55
% Daytime Energy	74%
% Nighttime Energy	26%

GPS Coordinates	38°28'0.82" N
	121°49'26.70" W

**Appendix C-4**  
**Ambient Noise Monitoring Results - Site LT-1**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Sunday, June 13, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	48	55	48	46
1:00 AM	47	58	47	43
2:00 AM	49	69	48	46
3:00 AM	48	66	48	46
4:00 AM	48	66	48	44
5:00 AM	49	66	46	43
6:00 AM	47	72	44	41
7:00 AM	46	63	44	42
8:00 AM	46	64	44	41
9:00 AM	46	66	44	41
10:00 AM	48	68	45	42
11:00 AM	49	65	46	43
12:00 PM	50	70	47	44
1:00 PM	49	73	47	44
2:00 PM	49	69	47	44
3:00 PM	49	62	47	44
4:00 PM	50	70	49	46
5:00 PM	50	60	48	45
6:00 PM	50	67	48	46
7:00 PM	52	77	48	45
8:00 PM	48	64	46	44
9:00 PM	50	66	49	47
10:00 PM	50	71	48	47
11:00 PM	49	61	48	47

Statistical Summary						
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	52	46	49	50	47	48
Lmax (Maximum)	77	60	67	72	55	65
L50 (Median)	49	44	47	48	44	47
L90 (Background)	47	41	44	47	41	45

Leq (Average)
Lmax (Maximum)
L50 (Median)
L90 (Background)

Computed DNL (dB)	55
% Daytime Energy	66%
% Nighttime Energy	34%

GPS Coordinates	38°28'0.82" N
	121°49'26.70" W

**Appendix C-5**  
**Ambient Noise Monitoring Results - Site LT-2**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Thursday, June 10, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	48	77	43	41
1:00 AM	44	58	42	40
2:00 AM	45	57	43	41
3:00 AM	48	70	46	43
4:00 AM	50	64	49	46
5:00 AM	54	70	52	48
6:00 AM	53	75	52	47
7:00 AM	46	66	45	42
8:00 AM	45	63	44	42
9:00 AM	47	65	45	43
10:00 AM	53	71	49	46
11:00 AM	51	71	50	47
12:00 PM	51	68	50	46
1:00 PM	49	63	48	45
2:00 PM	50	69	47	43
3:00 PM	47	65	45	42
4:00 PM	46	67	44	41
5:00 PM	50	64	48	46
6:00 PM	51	76	48	46
7:00 PM	49	58	48	45
8:00 PM	48	60	47	45
9:00 PM	52	76	48	46
10:00 PM	48	66	47	45
11:00 PM	49	71	46	44

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	53	45	50	54	44	50
Lmax (Maximum)	76	58	67	77	57	68
L50 (Median)	50	44	47	52	42	47
L90 (Background)	47	41	44	48	40	44

Computed DNL (dB)	56
% Daytime Energy	60%
% Nighttime Energy	40%

GPS Coordinates	38°27'54.83" N
	121°49'26.76" W

**Appendix C-6**  
**Ambient Noise Monitoring Results - Site LT-2**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Friday, June 11, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	46	55	45	43
1:00 AM	47	67	45	43
2:00 AM	46	56	45	43
3:00 AM	48	70	46	43
4:00 AM	49	71	47	44
5:00 AM	54	75	52	50
6:00 AM	53	69	52	49
7:00 AM	48	65	46	42
8:00 AM	51	70	46	43
9:00 AM	46	60	44	41
10:00 AM	46	65	44	41
11:00 AM	50	76	44	41
12:00 PM	46	61	44	40
1:00 PM	48	64	46	43
2:00 PM	46	63	45	43
3:00 PM	46	61	45	42
4:00 PM	48	63	47	44
5:00 PM	48	62	46	44
6:00 PM	47	66	47	44
7:00 PM	48	69	47	45
8:00 PM	47	66	46	44
9:00 PM	46	66	45	44
10:00 PM	46	61	45	44
11:00 PM	46	69	43	42

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	51	46	48	54	46	50
Lmax (Maximum)	76	60	65	75	55	66
L50 (Median)	47	44	45	52	43	47
L90 (Background)	45	40	43	50	42	44

Computed DNL (dB)	56
% Daytime Energy	53%
% Nighttime Energy	47%

GPS Coordinates	38°27'54.83" N
	121°49'26.76" W



**Appendix C-7**  
**Ambient Noise Monitoring Results - Site LT-2**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Saturday, June 12, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	46	70	42	40
1:00 AM	44	53	43	41
2:00 AM	43	52	42	40
3:00 AM	48	73	43	41
4:00 AM	45	56	43	41
5:00 AM	49	66	48	45
6:00 AM	51	61	51	48
7:00 AM	48	63	46	44
8:00 AM	50	72	49	47
9:00 AM	50	64	50	48
10:00 AM	49	68	47	44
11:00 AM	46	67	43	40
12:00 PM	46	68	41	39
1:00 PM	47	65	43	39
2:00 PM	43	60	41	38
3:00 PM	46	63	43	40
4:00 PM	48	60	46	42
5:00 PM	48	65	47	44
6:00 PM	48	61	46	44
7:00 PM	47	63	46	44
8:00 PM	48	63	47	45
9:00 PM	54	65	54	47
10:00 PM	57	65	56	55
11:00 PM	49	70	47	46

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	54	43	49	57	43	50
Lmax (Maximum)	72	60	64	73	52	63
L50 (Median)	54	41	46	56	42	46
L90 (Background)	48	38	43	55	40	44

Computed DNL (dB)	56
% Daytime Energy	55%
% Nighttime Energy	45%

GPS Coordinates	38°27'54.83" N
	121°49'26.76" W

**Appendix C-8**  
**Ambient Noise Monitoring Results - Site LT-2**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Sunday, June 13, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	46	67	45	43
1:00 AM	44	53	44	42
2:00 AM	45	59	44	42
3:00 AM	46	70	43	41
4:00 AM	47	67	44	42
5:00 AM	50	70	46	44
6:00 AM	46	65	45	43
7:00 AM	48	78	44	42
8:00 AM	45	55	44	41
9:00 AM	43	58	41	39
10:00 AM	48	66	45	40
11:00 AM	50	67	46	42
12:00 PM	49	67	46	43
1:00 PM	51	68	47	44
2:00 PM	50	77	45	42
3:00 PM	49	63	47	44
4:00 PM	50	67	49	45
5:00 PM	50	60	48	45
6:00 PM	50	61	48	46
7:00 PM	50	69	48	45
8:00 PM	47	58	46	43
9:00 PM	47	62	46	44
10:00 PM	45	63	44	41
11:00 PM	45	64	43	41

Statistical Summary						
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	51	43	49	50	44	46
Lmax (Maximum)	78	55	65	70	53	64
L50 (Median)	49	41	46	46	43	44
L90 (Background)	46	39	43	44	41	42

Leq (Average)
Lmax (Maximum)
L50 (Median)
L90 (Background)

Computed DNL (dB)	53
% Daytime Energy	75%
% Nighttime Energy	25%

GPS Coordinates	38°27'48.93" N
	121°49'24.87" W

**Appendix C-9**  
**Ambient Noise Monitoring Results - Site LT-3**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Thursday, June 10, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	45	71	42	40
1:00 AM	42	56	41	38
2:00 AM	43	58	41	39
3:00 AM	50	64	49	45
4:00 AM	51	63	50	47
5:00 AM	52	66	50	47
6:00 AM	54	63	54	49
7:00 AM	51	70	48	46
8:00 AM	51	73	48	45
9:00 AM	51	66	49	46
10:00 AM	53	73	52	50
11:00 AM	53	65	51	49
12:00 PM	52	62	51	48
1:00 PM	51	66	49	47
2:00 PM	52	71	49	45
3:00 PM	51	73	47	44
4:00 PM	47	66	45	42
5:00 PM	48	62	46	44
6:00 PM	50	71	46	44
7:00 PM	47	63	47	45
8:00 PM	48	60	48	46
9:00 PM	48	69	47	45
10:00 PM	49	68	47	45
11:00 PM	48	70	46	44

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	53	47	51	54	42	50
Lmax (Maximum)	73	60	67	71	56	64
L50 (Median)	52	45	48	54	41	47
L90 (Background)	50	42	46	49	38	44

Computed DNL (dB)	56
% Daytime Energy	66%
% Nighttime Energy	34%

GPS Coordinates	38°27'48.93" N
	121°49'24.87" W

**Appendix C-10**  
**Ambient Noise Monitoring Results - Site LT-3**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Friday, June 11, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	46	60	45	43
1:00 AM	46	61	44	42
2:00 AM	46	57	45	42
3:00 AM	47	66	45	43
4:00 AM	48	62	47	44
5:00 AM	54	68	53	51
6:00 AM	53	70	52	49
7:00 AM	55	71	50	45
8:00 AM	51	67	48	44
9:00 AM	51	69	48	44
10:00 AM	51	73	48	44
11:00 AM	50	69	47	43
12:00 PM	48	63	45	42
1:00 PM	51	72	47	44
2:00 PM	55	78	48	45
3:00 PM	50	73	46	43
4:00 PM	48	63	46	44
5:00 PM	50	72	46	43
6:00 PM	48	61	47	45
7:00 PM	49	63	48	46
8:00 PM	48	60	47	46
9:00 PM	47	65	46	44
10:00 PM	46	59	45	44
11:00 PM	45	66	44	42

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	55	47	51	54	45	49
Lmax (Maximum)	78	60	68	70	57	63
L50 (Median)	50	45	47	53	44	47
L90 (Background)	46	42	44	51	42	44

Computed DNL (dB)	56
% Daytime Energy	71%
% Nighttime Energy	29%

GPS Coordinates	38°27'48.93" N
	121°49'24.87" W

**Appendix C-11**  
**Ambient Noise Monitoring Results - Site LT-3**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Saturday, June 12, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	45	62	45	43
1:00 AM	48	56	47	45
2:00 AM	46	61	44	41
3:00 AM	47	67	43	41
4:00 AM	45	59	44	42
5:00 AM	51	62	50	47
6:00 AM	54	62	54	51
7:00 AM	50	65	49	47
8:00 AM	52	62	51	49
9:00 AM	52	64	51	49
10:00 AM	48	59	48	44
11:00 AM	47	64	45	42
12:00 PM	49	71	44	41
1:00 PM	48	66	45	42
2:00 PM	43	65	42	39
3:00 PM	47	66	43	40
4:00 PM	46	58	44	41
5:00 PM	46	60	45	42
6:00 PM	46	62	46	44
7:00 PM	46	61	45	43
8:00 PM	47	61	45	43
9:00 PM	47	59	46	45
10:00 PM	50	73	47	46
11:00 PM	48	65	47	46

Statistical Summary						
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	52	43	48	54	45	49
Lmax (Maximum)	71	58	63	73	56	63
L50 (Median)	51	42	46	54	43	47
L90 (Background)	49	39	43	51	41	45

Leq (Average)	52	43	48
Lmax (Maximum)	71	58	63
L50 (Median)	51	42	46
L90 (Background)	49	39	43

Computed DNL (dB)	55
% Daytime Energy	57%
% Nighttime Energy	43%

GPS Coordinates	38°27'48.93" N
	121°49'24.87" W

**Appendix C-12**  
**Ambient Noise Monitoring Results - Site LT-3**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Sunday, June 13, 2021**

Hour	Leq	Lmax	L50	L90
12:00 AM	46	59	45	43
1:00 AM	45	55	44	43
2:00 AM	46	60	45	43
3:00 AM	45	67	44	42
4:00 AM	45	63	44	42
5:00 AM	48	69	45	43
6:00 AM	44	61	43	41
7:00 AM	44	58	43	41
8:00 AM	45	62	43	40
9:00 AM	46	63	42	39
10:00 AM	45	68	43	40
11:00 AM	48	68	43	40
12:00 PM	45	60	44	42
1:00 PM	50	60	48	43
2:00 PM	50	58	50	43
3:00 PM	47	73	45	43
4:00 PM	48	61	47	45
5:00 PM	48	63	47	45
6:00 PM	48	59	47	45
7:00 PM	49	66	47	45
8:00 PM	47	58	46	44
9:00 PM	45	66	44	42
10:00 PM	45	57	44	43
11:00 PM	45	64	44	42

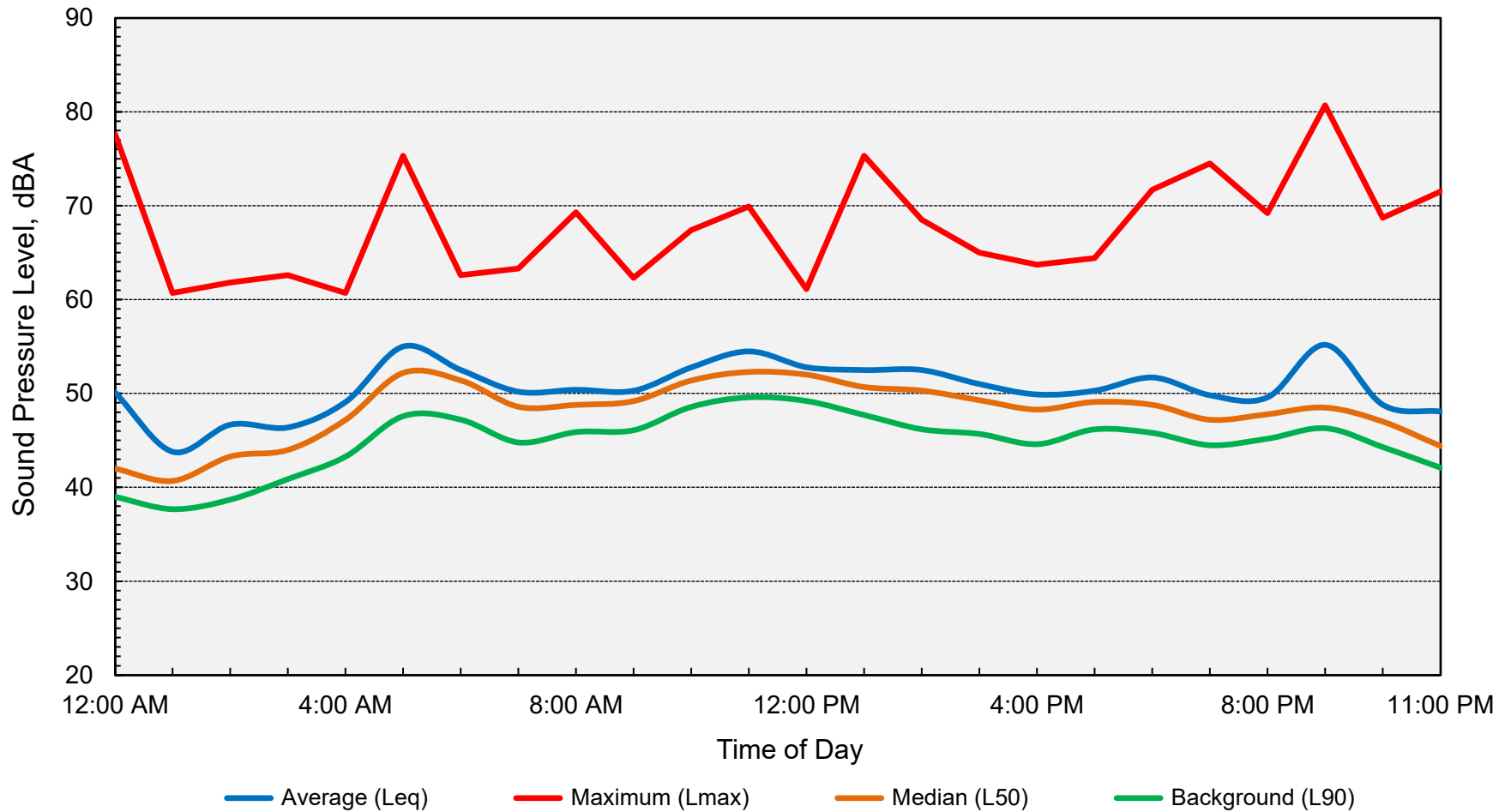
Statistical Summary						
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	50	44	47	48	44	46
Lmax (Maximum)	73	58	63	69	55	62
L50 (Median)	50	42	45	45	43	44
L90 (Background)	45	39	42	43	41	42

Leq (Average)	50	44	47	48	44	46
Lmax (Maximum)	73	58	63	69	55	62
L50 (Median)	50	42	45	45	43	44
L90 (Background)	45	39	42	43	41	42

Computed DNL (dB)	52
% Daytime Energy	71%
% Nighttime Energy	29%

GPS Coordinates	38°27'48.93" N
	121°49'24.87" W

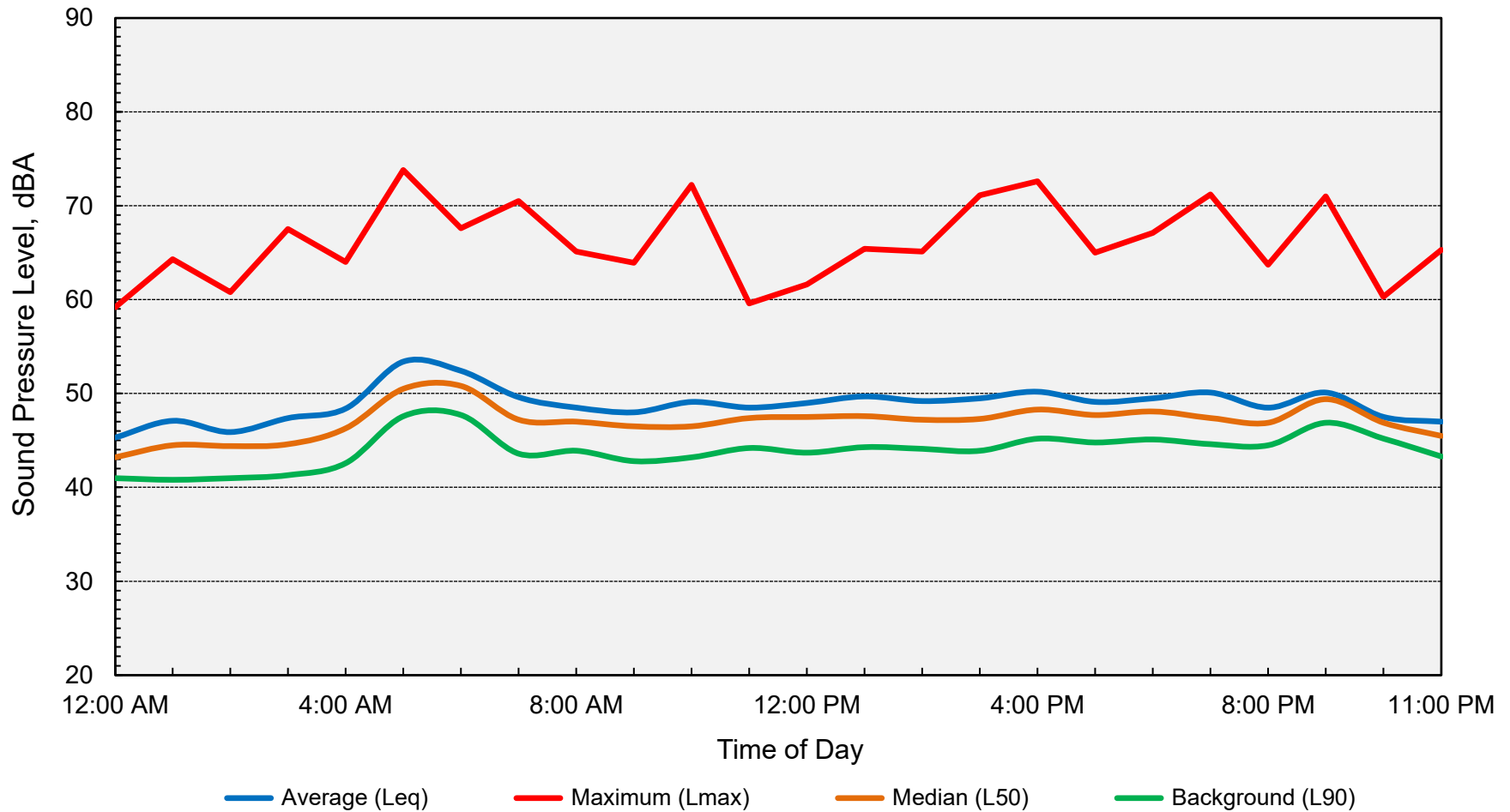
Appendix D-1  
Ambient Noise Monitoring Results - Site LT-1  
Lincoln Square Mixed-Use Development - Dixon, California  
Thursday, June 10, 2021



Computed DNL = 57 dB



**Appendix D-2**  
**Ambient Noise Monitoring Results - Site LT-1**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Friday, June 11, 2021**

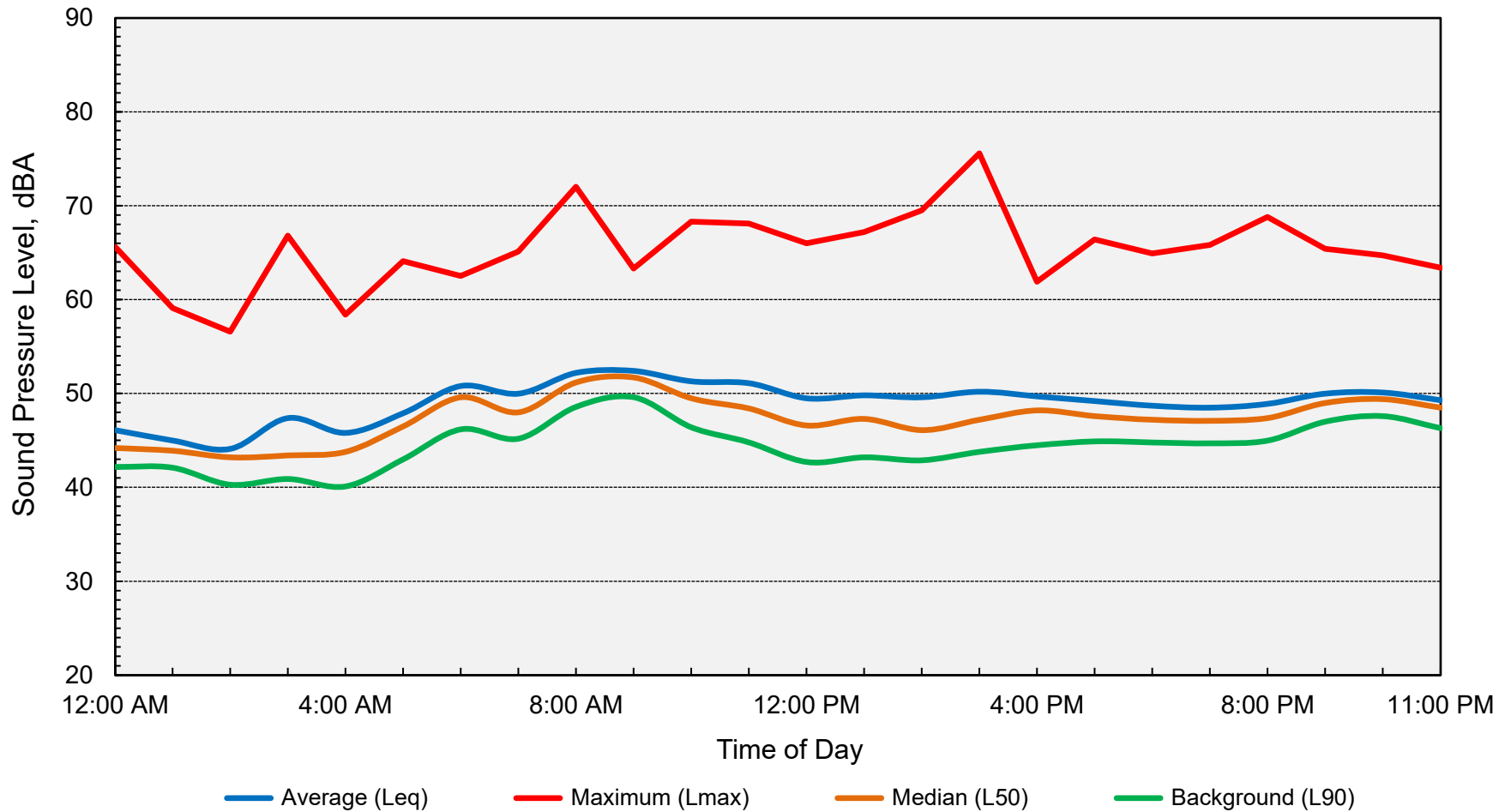


**Computed DNL = 56 dB**





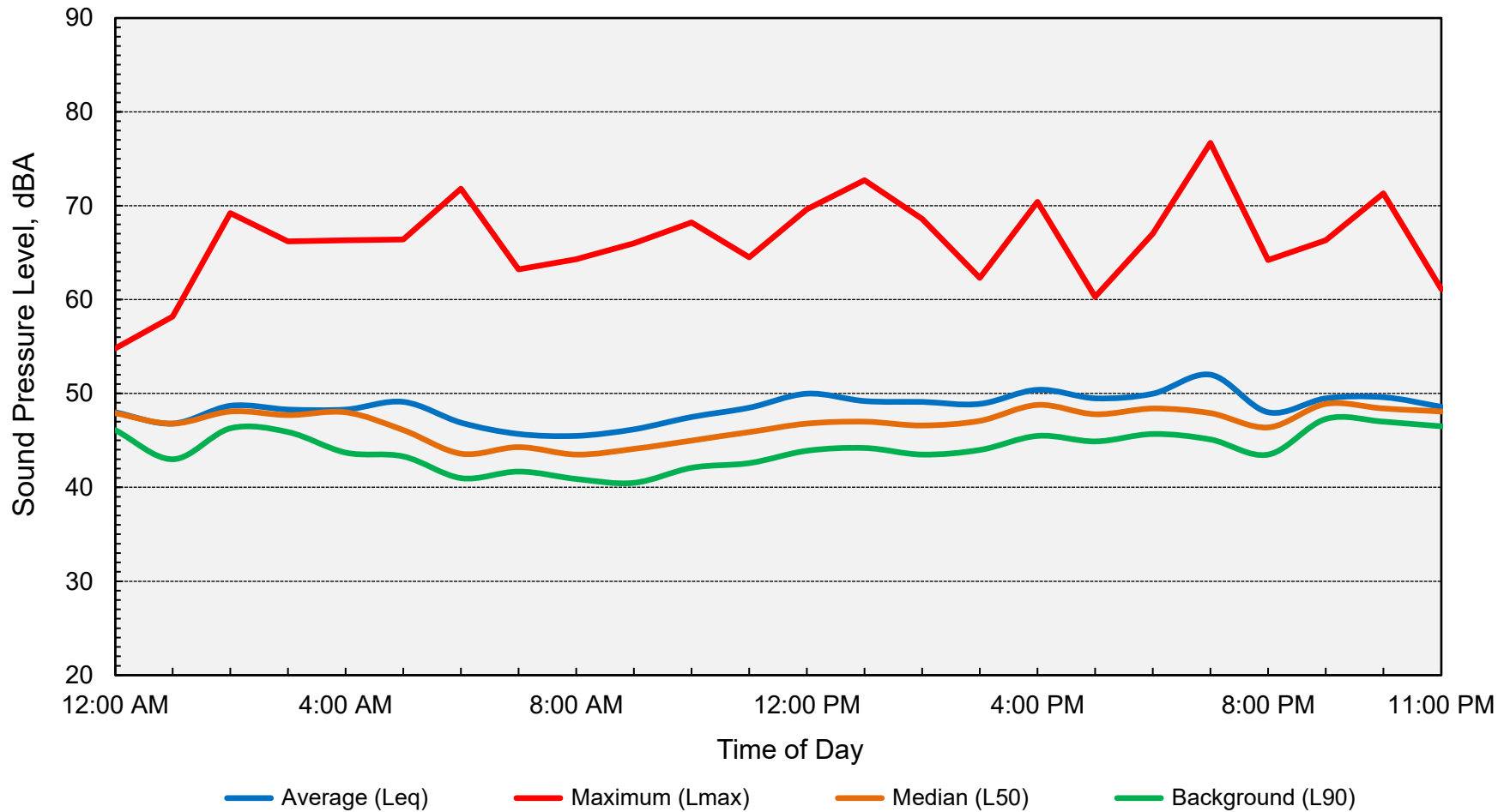
Appendix D-3  
Ambient Noise Monitoring Results - Site LT-1  
Lincoln Square Mixed-Use Development - Dixon, California  
Saturday, June 12, 2021



Computed DNL = 55 dB



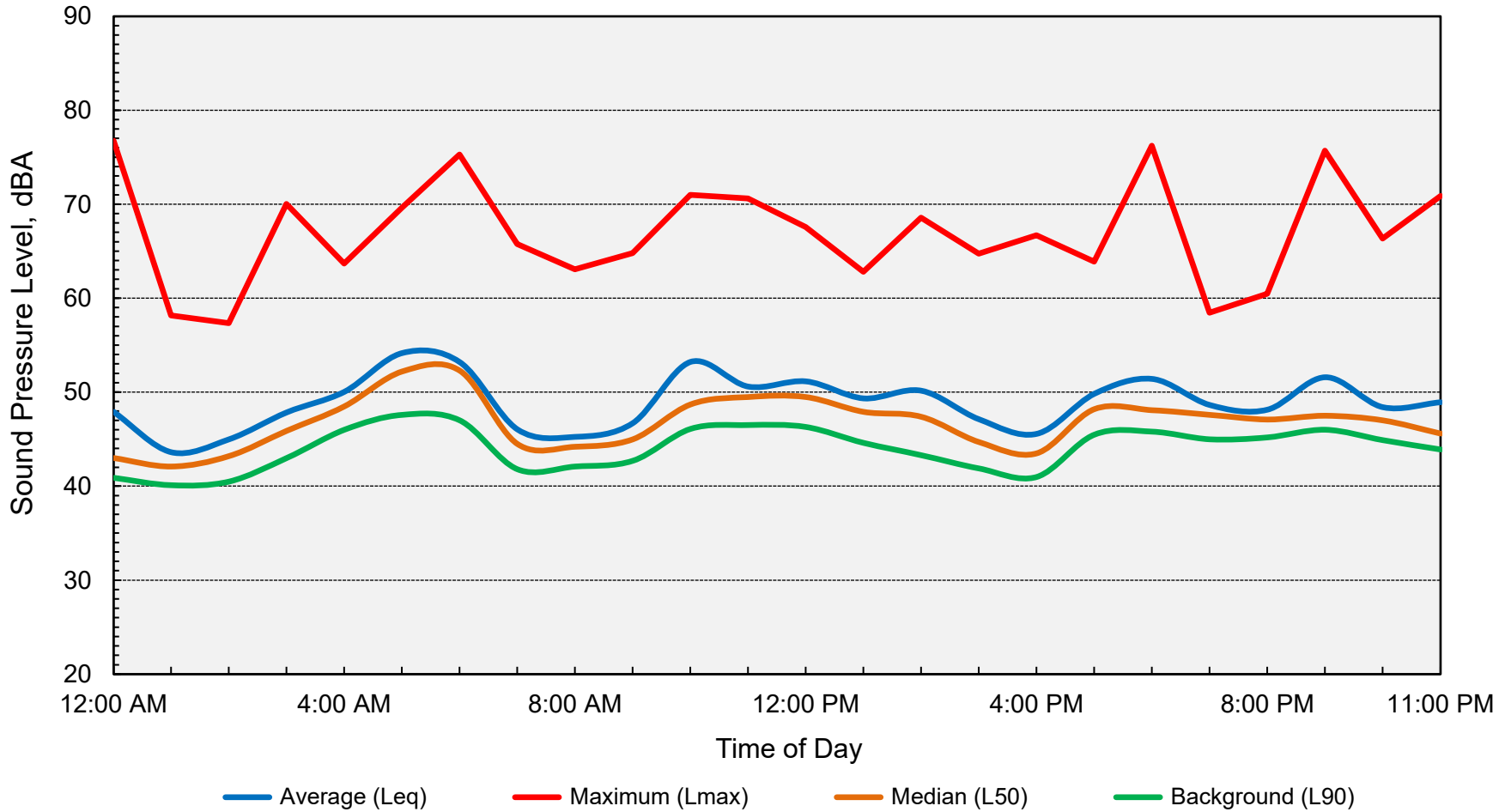
**Appendix D-4**  
**Ambient Noise Monitoring Results - Site LT-1**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Sunday, June 13, 2021**



**Computed DNL = 55 dB**



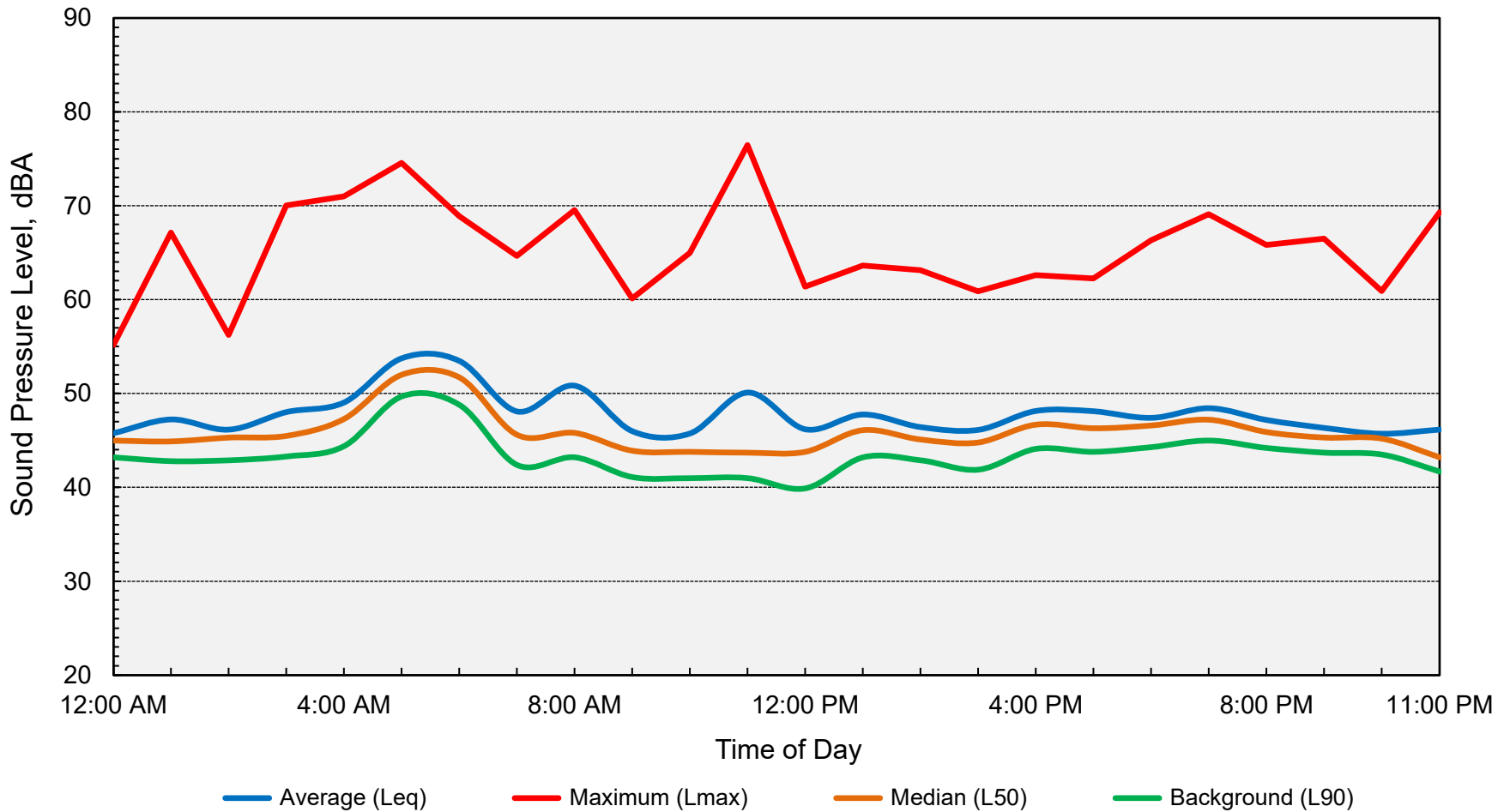
Appendix D-5  
Ambient Noise Monitoring Results - Site LT-2  
Lincoln Square Mixed-Use Development - Dixon, California  
Thursday, June 10, 2021



Computed DNL = 56 dB

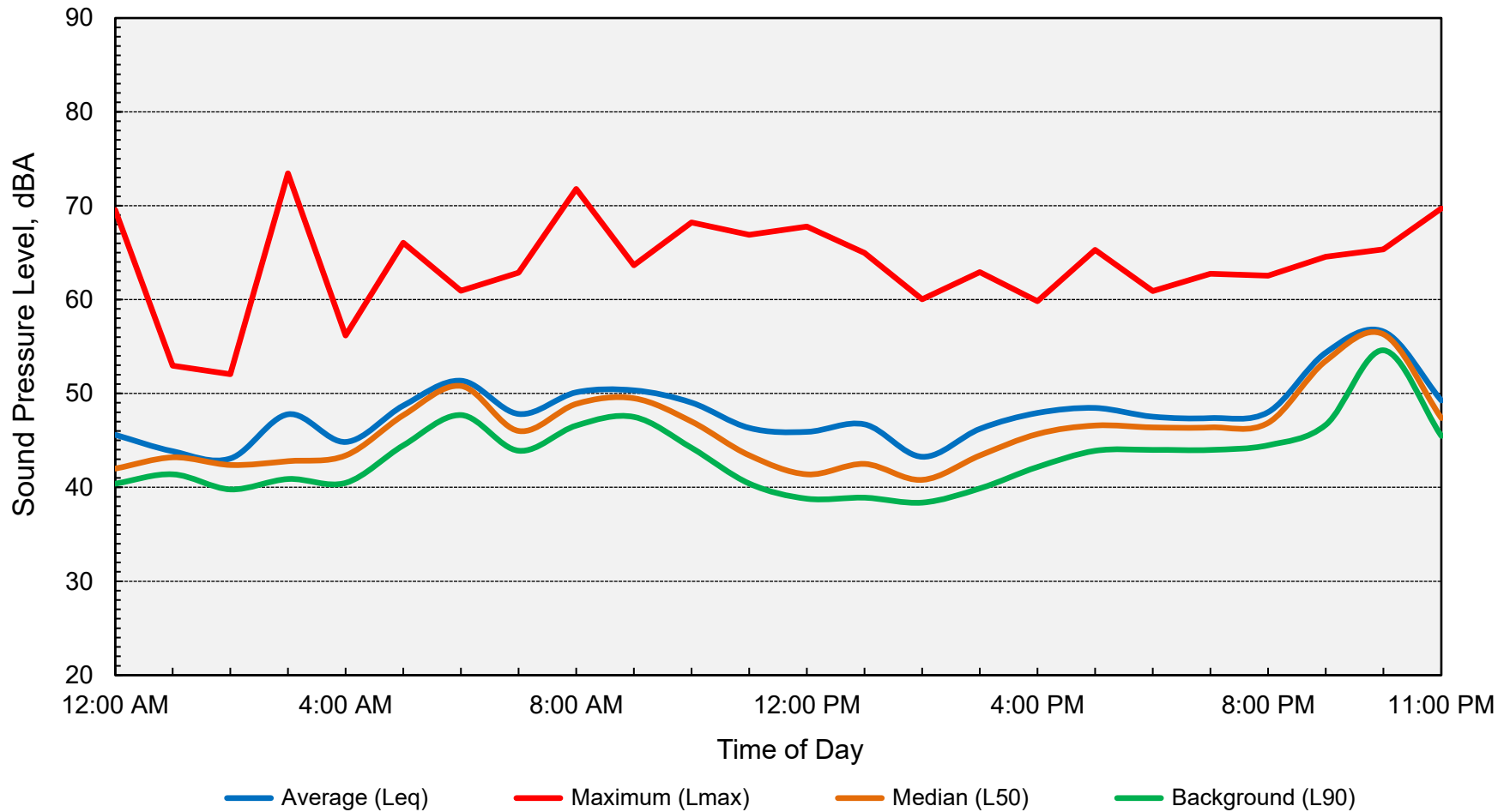


**Appendix D-6**  
**Ambient Noise Monitoring Results - Site LT-2**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Friday, June 11, 2021**



**Computed DNL = 56 dB**

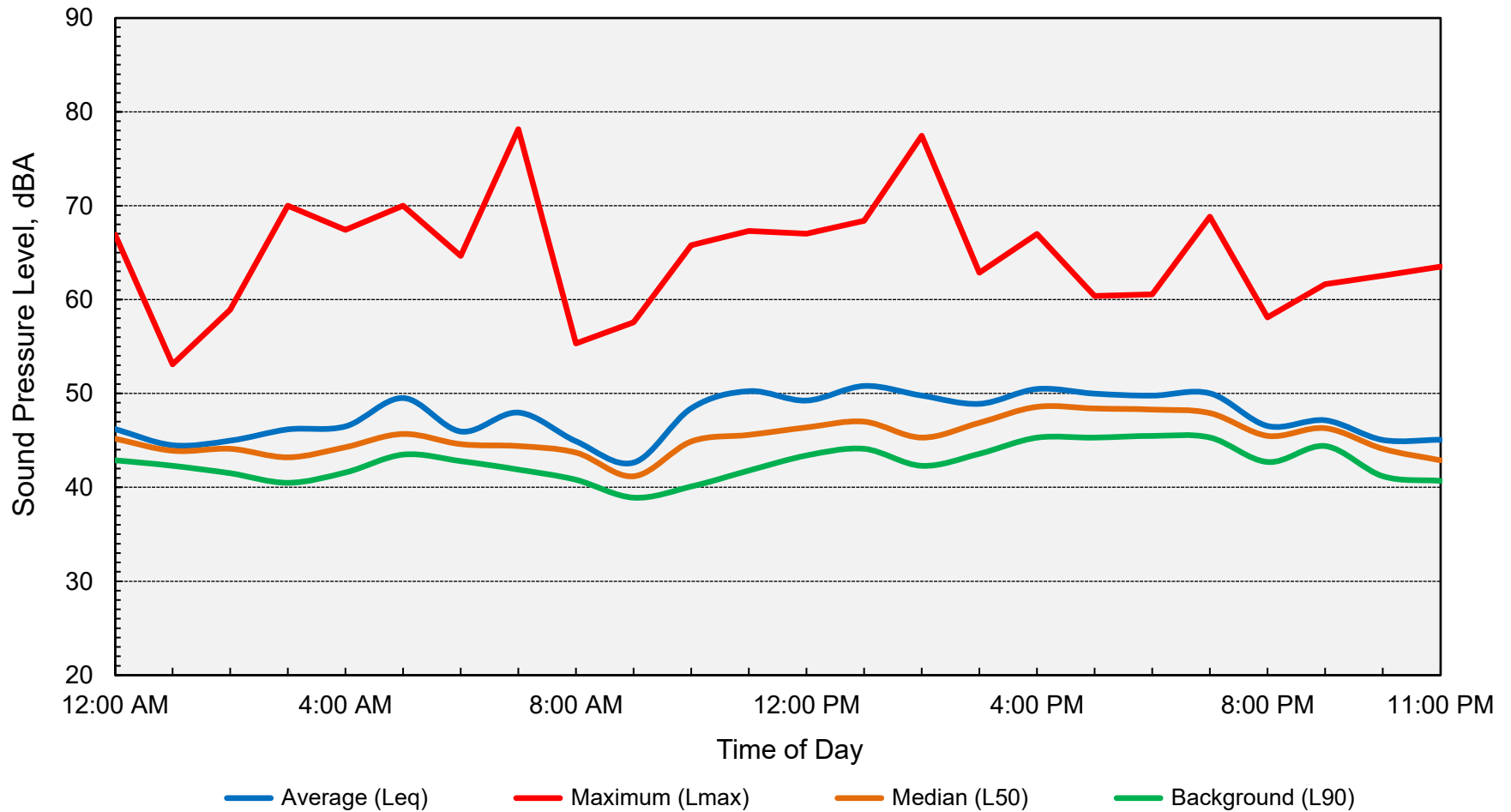
**Appendix D-7**  
**Ambient Noise Monitoring Results - Site LT-2**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Saturday, June 12, 2021**



**Computed DNL = 56 dB**



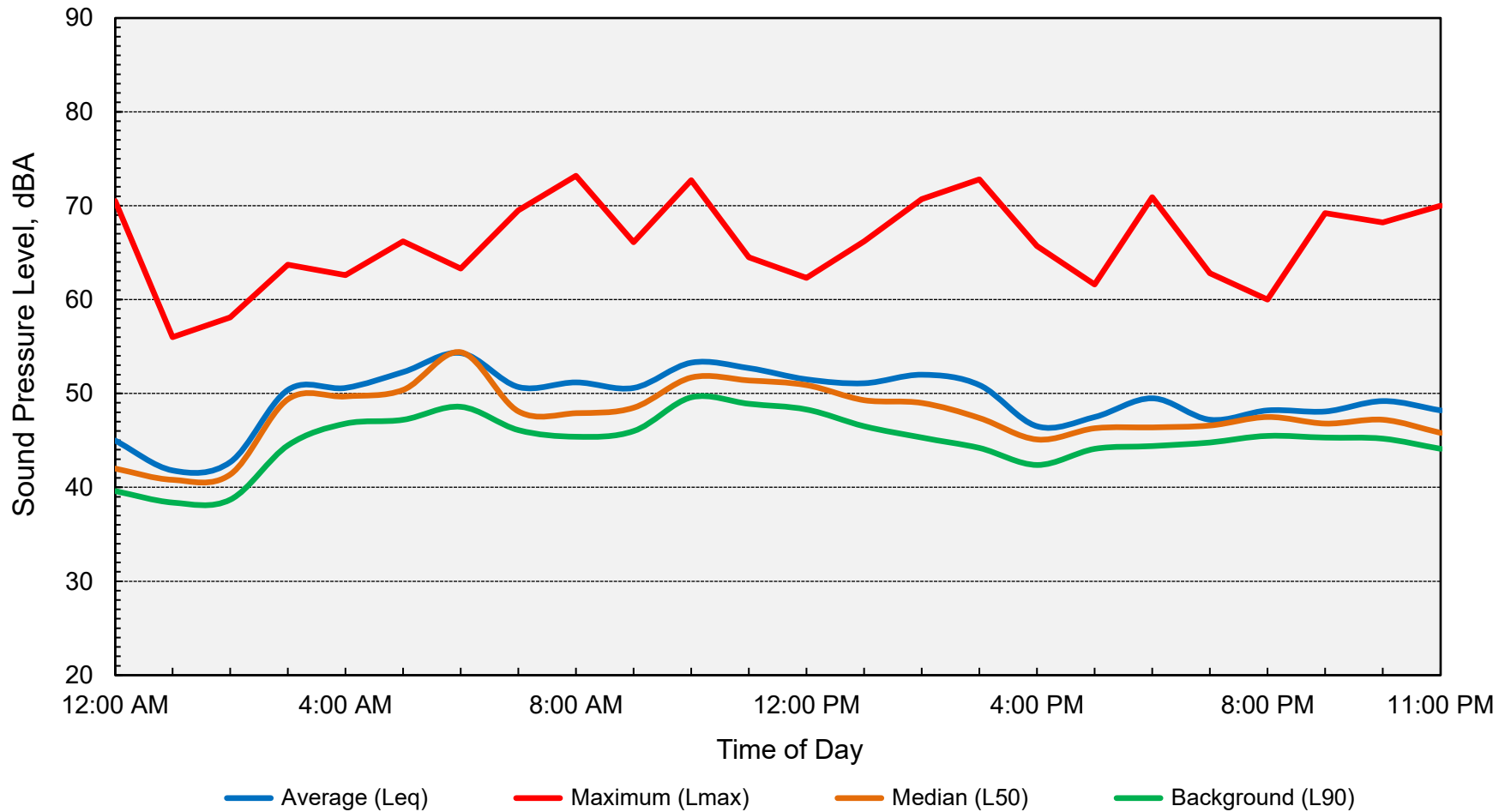
Appendix D-8  
Ambient Noise Monitoring Results - Site LT-2  
Lincoln Square Mixed-Use Development - Dixon, California  
Sunday, June 13, 2021



Computed DNL = 53 dB



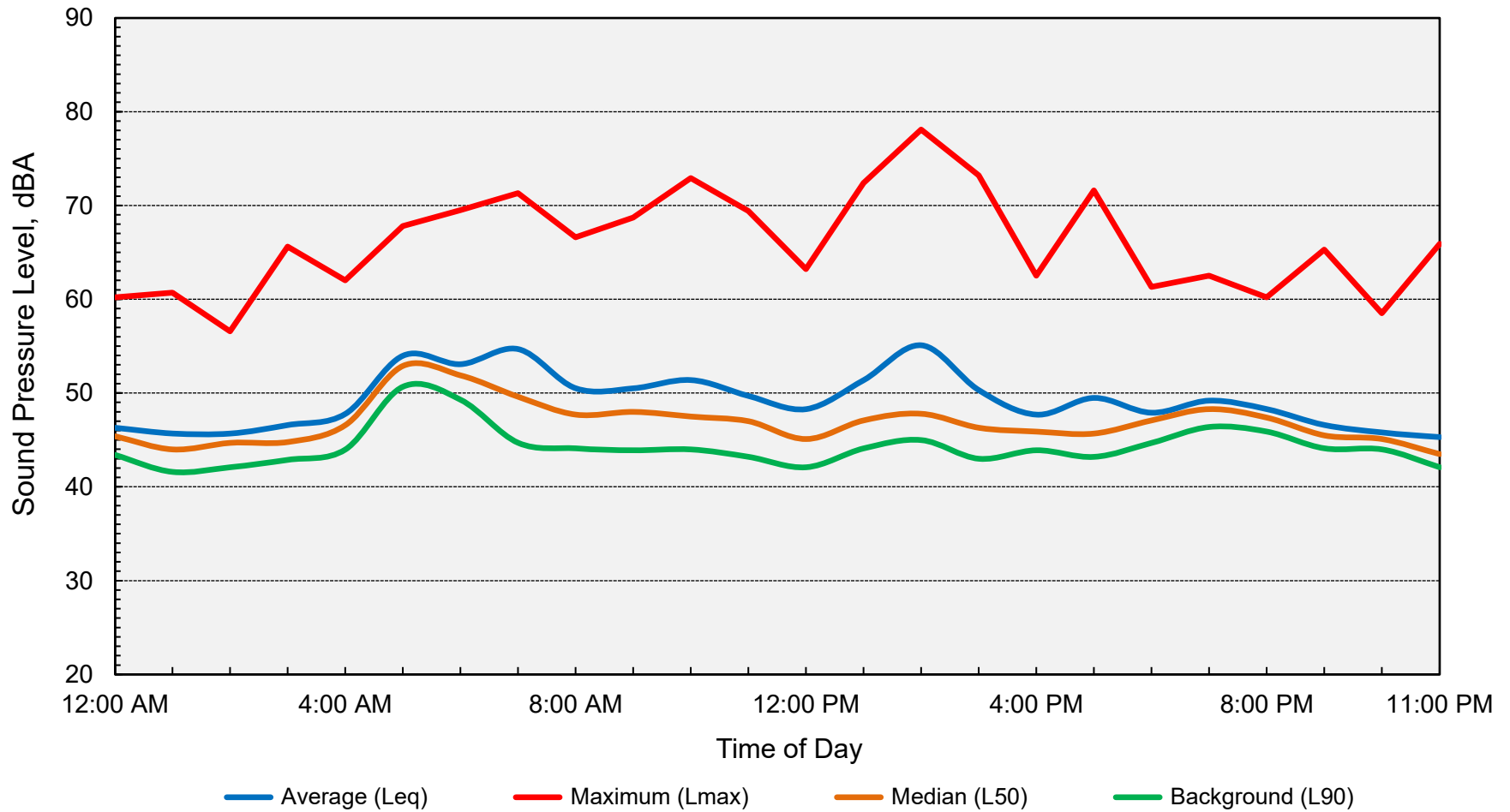
Appendix D-9  
Ambient Noise Monitoring Results - Site LT-3  
Lincoln Square Mixed-Use Development - Dixon, California  
Thursday, June 10, 2021



Computed DNL = 56 dB



**Appendix D-10**  
**Ambient Noise Monitoring Results - Site LT-3**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Friday, June 11, 2021**

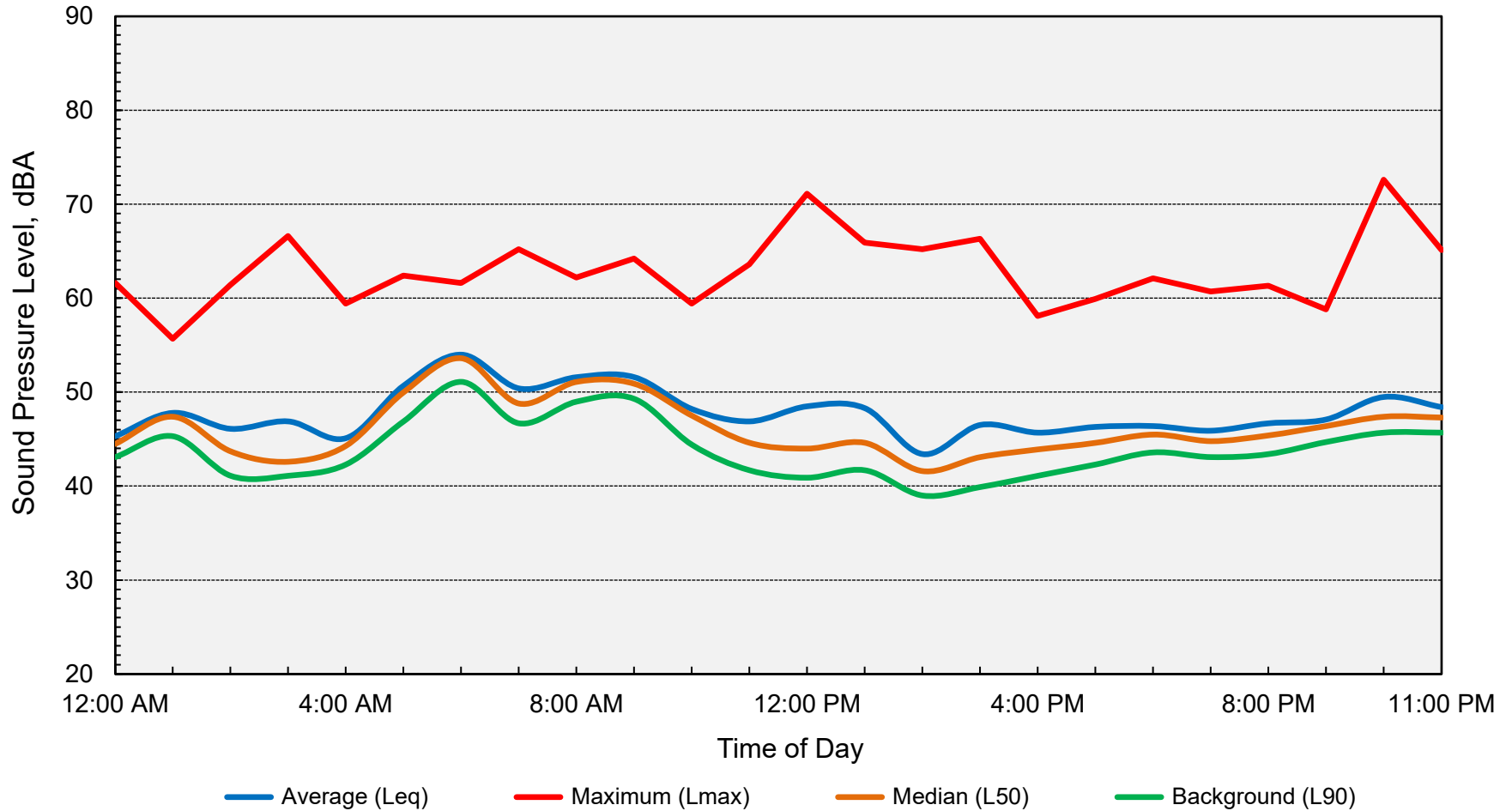


**Computed DNL = 56 dB**



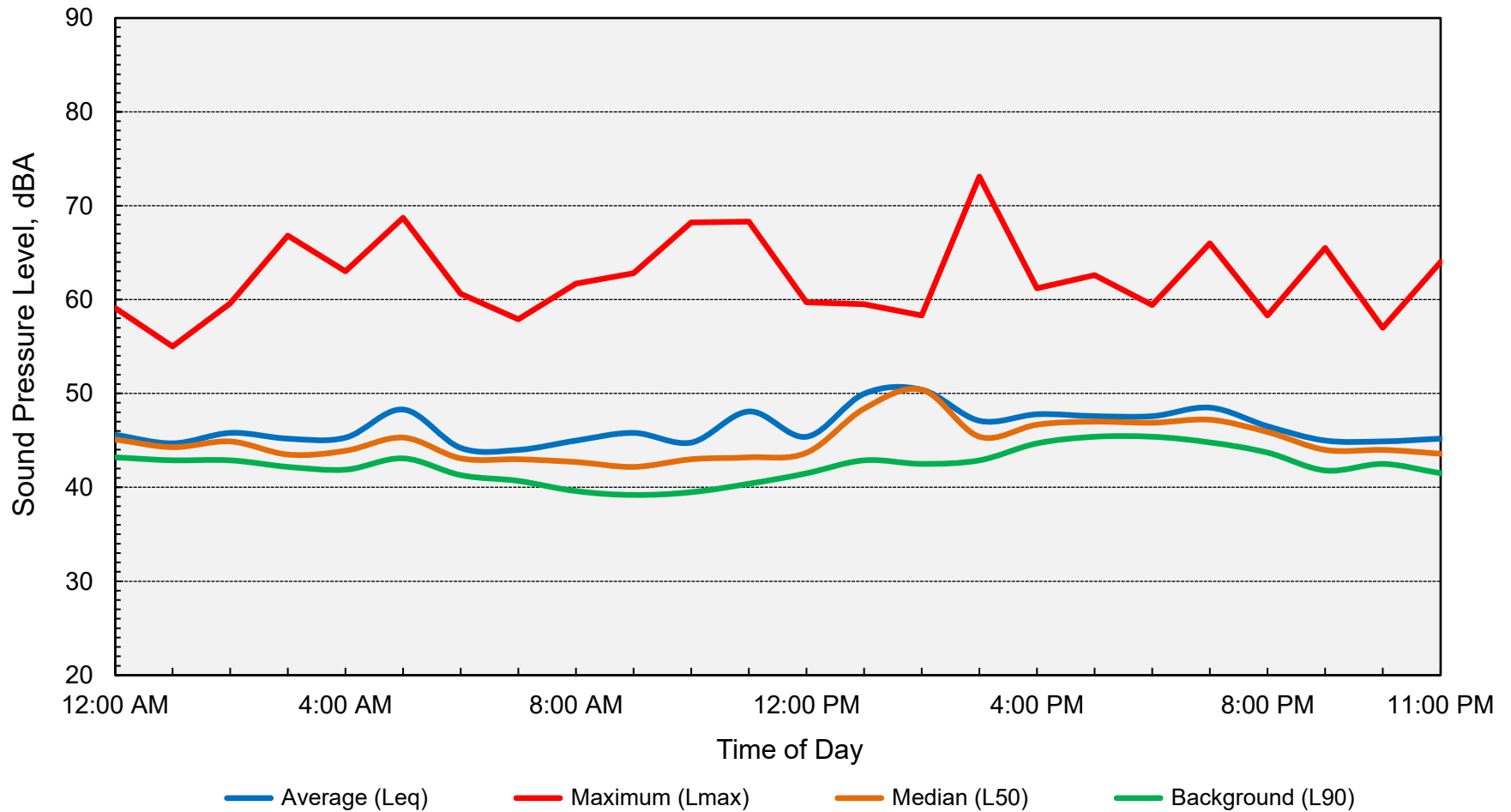


Appendix D-11  
Ambient Noise Monitoring Results - Site LT-3  
Lincoln Square Mixed-Use Development - Dixon, California  
Saturday, June 12, 2021



Computed DNL = 55 dB

**Appendix D-12**  
**Ambient Noise Monitoring Results - Site LT-3**  
**Lincoln Square Mixed-Use Development - Dixon, California**  
**Sunday, June 13, 2021**



**Computed DNL = 52 dB**



**Appendix E-1  
FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
Noise Prediction Worksheet**

**Project Information:**

Job Number: 2021-107  
Project Name: Lincoln Square Mixed-Use Development  
Roadway Name: SR-113

**Traffic Data:**

Description: Existing  
Average Daily Traffic Volume: 11,700  
Percent Daytime Traffic: 83  
Percent Nighttime Traffic: 17  
Percent Medium Trucks (2 axle): 4  
Percent Heavy Trucks (3+ axle): 4  
Assumed Vehicle Speed (mph): 45  
Intervening Ground Type (hard/soft): **Soft**

**Traffic Noise Levels:**

Location	Description	Distance	Offset (dB)	----- DNL (dB) -----			Total
				Autos	Medium Trucks	Heavy Trucks	
1	Existing traffic on SR-113	50	0	67	61	66	70

**Traffic Noise Contours (No Calibration Offset):**

DNL Contour (dB)	Distance from Centerline (ft)
75	23
70	50
65	108
60	232

**Notes:** 1. Existing (2019) ADT for SR-113 obtained from published Caltrans traffic counts (SR-113 from North Adams Street to I-80).

**Appendix E-2**  
**FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)**  
**Noise Prediction Worksheet**

**Project Information:**

Job Number: 2021-107  
 Project Name: Lincoln Square Mixed-Use Development  
 Roadway Name: SR-113

**Traffic Data:**

Description: Existing  
 Average Daily Traffic Volume: 6,531  
 Percent Daytime Traffic: 83  
 Percent Nighttime Traffic: 17  
 Percent Medium Trucks (2 axle): 2  
 Percent Heavy Trucks (3+ axle): 2  
 Assumed Vehicle Speed (mph): 35  
 Intervening Ground Type (hard/soft): **Soft**

**Traffic Noise Levels:**

		----- DNL (dB) -----					
				Autos	Medium Trucks	Heavy Trucks	Total
Location	Description	Distance	Offset (dB)				
1	Existing traffic on Vaughn Rd	50	0	61	54	59	64

**Traffic Noise Contours (No Calibration Offset):**

DNL Contour (dB)	Distance from Centerline (ft)
75	9
70	20
65	42
60	91

**Notes:** 1. Existing (2021) ADT for Vaughn Road estimated from 2007 City of Dixon traffic counts (Vaughn Road from SR-113 to Regency Parkway). Specifically, existing (2021) ADT for the roadway was estimated by applying a factor of 50% to 2007 traffic count data to account for regional growth.

**Appendix E-3  
 FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
 Noise Prediction Worksheet**

**Project Information:**

Job Number: 2021-107  
 Project Name: Lincoln Square Mixed-Use Development  
 Roadway Name: SR-113

**Traffic Data:**

Description: Project - Residential Component  
 Average Daily Traffic Volume: 524  
 Percent Daytime Traffic: 83  
 Percent Nighttime Traffic: 17  
 Percent Medium Trucks (2 axle): 1  
 Percent Heavy Trucks (3+ axle): 1  
 Assumed Vehicle Speed (mph): 45  
 Intervening Ground Type (hard/soft): **Soft**

**Traffic Noise Levels:**

Location Description		Distance	Offset (dB)	----- DNL (dB) -----			Total
				Autos	Medium Trucks	Heavy Trucks	
1	Project residential traffic on SR-113	50	0	54	42	46	55

**Traffic Noise Contours (No Calibration Offset):**

DNL Contour (dB)	Distance from Centerline (ft)
75	2
70	5
65	10
60	22

**Notes:** 1. Project-generated off-site average daily traffic volume (vehicle trips per day) was obtained from the project applicant.

**Appendix E-4  
FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
Noise Prediction Worksheet**

**Project Information:**

Job Number: 2021-107  
Project Name: Lincoln Square Mixed-Use Development  
Roadway Name: SR-113

**Traffic Data:**

Description: Project - Retail Component  
Average Daily Traffic Volume: 1,294  
Percent Daytime Traffic: 83  
Percent Nighttime Traffic: 17  
Percent Medium Trucks (2 axle): 2  
Percent Heavy Trucks (3+ axle): 1  
Assumed Vehicle Speed (mph): 45  
Intervening Ground Type (hard/soft): **Soft**

**Traffic Noise Levels:**

Location Description		Distance	Offset (dB)	----- DNL (dB) -----			Total
				Autos	Medium Trucks	Heavy Trucks	
1	Project retail traffic on SR-113	50	0	57	49	50	59

**Traffic Noise Contours (No Calibration Offset):**

DNL Contour (dB)	Distance from Centerline (ft)
75	4
70	9
65	19
60	41

**Notes:** 1. Project-generated off-site average daily traffic volume (vehicle trips per day) was obtained from the project applicant.

**Appendix E-5  
 FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
 Noise Prediction Worksheet**

**Project Information:**

Job Number: 2021-107  
 Project Name: Lincoln Square Mixed-Use Development  
 Roadway Name: Vaughn Road

**Traffic Data:**

Description: Project - Residential Component  
 Average Daily Traffic Volume: 524  
 Percent Daytime Traffic: 83  
 Percent Nighttime Traffic: 17  
 Percent Medium Trucks (2 axle): 1  
 Percent Heavy Trucks (3+ axle): 1  
 Assumed Vehicle Speed (mph): 35  
 Intervening Ground Type (hard/soft): **Soft**

**Traffic Noise Levels:**

Location Description		Distance	Offset (dB)	----- DNL (dB) -----			Total
				Autos	Medium Trucks	Heavy Trucks	
1	Project residential traffic on Vaughn	50	0	50	40	45	52

**Traffic Noise Contours (No Calibration Offset):**

DNL Contour (dB)	Distance from Centerline (ft)
75	1
70	3
65	7
60	14

**Notes:** 1. Project-generated off-site average daily traffic volume (vehicle trips per day) was obtained from the project applicant.

**Appendix E-6  
FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
Noise Prediction Worksheet**

**Project Information:**

Job Number: 2021-107  
Project Name: Lincoln Square Mixed-Use Development  
Roadway Name: Vaughn Road

**Traffic Data:**

Description: Project - Retail Component  
Average Daily Traffic Volume: 1,294  
Percent Daytime Traffic: 83  
Percent Nighttime Traffic: 17  
Percent Medium Trucks (2 axle): 2  
Percent Heavy Trucks (3+ axle): 1  
Assumed Vehicle Speed (mph): 35  
Intervening Ground Type (hard/soft): **Soft**

**Traffic Noise Levels:**

Location Description		Distance	Offset (dB)	----- DNL (dB) -----			Total
				Autos	Medium Trucks	Heavy Trucks	
1	Project retail traffic on Vaughn	50	0	54	47	49	56

**Traffic Noise Contours (No Calibration Offset):**

DNL Contour (dB)	Distance from Centerline (ft)
75	3
70	6
65	13
60	27

**Notes:** 1. Project-generated off-site average daily traffic volume (vehicle trips per day) was obtained from the project applicant.



## Appendix F

### Industrial Vacuum Systems VacLovers, Inc.

3975 Linden Ave SE  
Grand Rapids MI 49548  
1-800-968-8227 or 1-616-246-1700



#### Sound Level Ratings for IVS Power Vacuums and Combination Units

Distance from Unit	dBA	Ametek Lamb Motor model	IVS Unit model	Dome Type
<b>Before the below units were tested the ambient noise levels from street traffic were taken without the machine running which measured 65dBA</b>				

### Acustek® Technology

*the science of sound*

#### Combination units with Poly Domes and Amtek Acustek motors part number 116757

10 feet	75 dBA	Acustek	Combination	Poly Dome
20 feet	68.97 dBA	Acustek	Combination	Poly Dome
30 feet	65.45 dBA	Acustek	Combination	Poly Dome
40 feet	62.95 dBA	Acustek	Combination	Poly Dome
50 feet	61.02 dBA	Acustek	Combination	Poly Dome
100 feet	55.01 dBA	Acustek	Combination	Poly Dome
125 feet	53.06 dBA	Acustek	Combination	Poly Dome
150 feet	51.47 dBA	Acustek	Combination	Poly Dome

#### Power Vac with Lamb motor 116336-01 and Stainless Steel dome

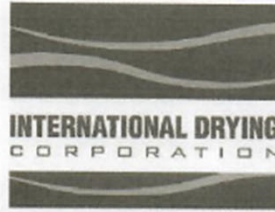
10 feet	84.9	116336-01	Power Vacuum	S.S. Dome
20 feet	81.4	116336-01	Power Vacuum	S.S. Dome
30 feet	78.9	116336-01	Power Vacuum	S.S. Dome
40 feet	77	116336-01	Power Vacuum	S.S. Dome
50 feet	75.4	116336-01	Power Vacuum	S.S. Dome
100 feet	70	116336-01	Power Vacuum	S.S. Dome
125 feet	69	116336-01	Power Vacuum	S.S. Dome
150 feet	66.9	116336-01	Power Vacuum	S.S. Dome

#### The following are sound comparisons found in routine dBA tests:

Jet Airplane 160 dBA  
Helicopter 150 dBA  
Fire Siren 140 dBA  
School Dance 120 dBA  
Airport 110 dBA  
Heavy Traffic 90 dBA  
Normal Conversation 60 dBA  
Quiet Neighborhood 55 dBA  
Humming 30 dBA  
Whisper Voice 20 dBA

Acustek Technology is available from Amtek Lamb Inc.®  
ph#216-673-3451

## Appendix G



### SOUND LEVEL READINGS FOR 3 MOTOR WHISPER PACKAGE

The following readings were taken from a masonry car wash building using A-weighted decibels. The car wash building measures 70'5" end to end. Measurements were taken with overhead doors fully opened. Sound levels may vary with conditions.

<u>Distance</u>	<u>Sound Level A-weighted slow response (dBA)</u>
Exit	87
5'	84
10'	80
20'	75
30'	71
65'	65

<u>Distance</u>	<u>Sound Level A-weighted slow response (dBA)</u>
Entrance	80
5'	76
10'	72
20'	68
30'	65
47'	61

**Appendix H-1  
FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
Noise Prediction Worksheet**

**Project Information:**

Job Number: 2021-107  
Project Name: Lincoln Square Mixed-Use Development  
Roadway Name: SR-113

**Traffic Data:**

Description: Future  
Average Daily Traffic Volume: 17,550  
Percent Daytime Traffic: 83  
Percent Nighttime Traffic: 17  
Percent Medium Trucks (2 axle): 4  
Percent Heavy Trucks (3+ axle): 4  
Assumed Vehicle Speed (mph): 45  
Intervening Ground Type (hard/soft): **Soft**

**Traffic Noise Levels:**

Location	Description	Distance	Offset (dB)	----- DNL (dB) -----			Total
				Autos	Medium Trucks	Heavy Trucks	
1	Nearest outdoor activity areas	85	-3	62	57	61	65
2	Nearest first-floor building facades	70		66	61	65	70
3	Nearest upper-floor building facades	70	2	68	63	67	72

**Traffic Noise Contours (No Calibration Offset):**

DNL Contour (dB)	Distance from Centerline (ft)
75	30
70	66
65	141
60	305

**Notes:**

1. Future ADT was conservatively estimated by increasing the existing ADT volume for SR-113 adjacent to the site by 50%. Existing (2019) ADT volume obtained from Caltrans traffic counts (11,700 ADT).
2. A -3 dB offset was applied at backyards to account for a reduced view of the roadway resulting from proposed intervening structures (residences). An offset of +2 dB offset was applied at upper-floors to account for reduced ground absorption of sound at elevated locations.

**Appendix H-2  
FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
Noise Prediction Worksheet**

**Project Information:**

Job Number: 2021-107  
Project Name: Lincoln Square Mixed-Use Development  
Roadway Name: Vaughn Road

**Traffic Data:**

Description: Future  
Average Daily Traffic Volume: 13,062  
Percent Daytime Traffic: 83  
Percent Nighttime Traffic: 17  
Percent Medium Trucks (2 axle): 2  
Percent Heavy Trucks (3+ axle): 2  
Assumed Vehicle Speed (mph): 35  
Intervening Ground Type (hard/soft): **Soft**

**Traffic Noise Levels:**

Location	Description	Distance	Offset (dB)	----- DNL (dB) -----			Total
				Autos	Medium Trucks	Heavy Trucks	
1	Nearest outdoor activity areas	85	-3	58	51	56	61
2	Nearest first-floor building facades	75		62	55	60	64
3	Nearest upper-floor building facades	75	2	64	57	62	66

**Traffic Noise Contours (No Calibration Offset):**

DNL Contour (dB)	Distance from Centerline (ft)
75	15
70	32
65	68
60	147

- Notes:**
1. Future ADT for Vaughn Road was conservatively estimated by assuming an increase in traffic by a factor of 3 relative to 2007 traffic data reported by the City of Dixon (2007 - 4,354 ADT).
  2. A -3 dB offset was applied at backyards to account for a reduced view of the roadway resulting from proposed intervening structures (residences). An offset of +2 dB offset was applied at upper-floors to account for reduced ground absorption of sound at elevated locations.

**Appendix I-1  
 FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
 Noise Barrier Effectiveness Prediction Worksheet**

**Project Information:** Job Number: 2021-107  
 Project Name: Lincoln Square Mixed-Use Development  
 Roadway Name: SR-113

**Noise Level Data:** Year: Future  
 Auto DNL (dB): 62  
 Medium Truck DNL (dB): 57  
 Heavy Truck DNL (dB): 61

**Site Geometry:** Receiver Description: Nearest outdoor activity areas  
 Centerline to Barrier Distance (C<sub>1</sub>): 65  
 Barrier to Receiver Distance (C<sub>2</sub>): 15  
 Automobile Elevation: 0  
 Medium Truck Elevation: 2  
 Heavy Truck Elevation: 8  
 Pad/Ground Elevation at Receiver: 0  
 Receiver Elevation: 5  
 Base of Barrier Elevation: 0  
 Starting Barrier Height 6

**Barrier Effectiveness:**

Top of Barrier Elevation (ft)	Barrier Height (ft)	----- DNL (dB) -----				Barrier Breaks Line of Sight to...		
		Autos	Medium Trucks	Heavy Trucks	Total	Autos?	Medium Trucks?	Heavy Trucks?
6	6	56	51	56	<b>60</b>	Yes	Yes	Yes
7	7	54	49	55	<b>58</b>	Yes	Yes	Yes
8	8	53	48	54	<b>57</b>	Yes	Yes	Yes
9	9	52	47	53	<b>56</b>	Yes	Yes	Yes
10	10	51	46	52	<b>55</b>	Yes	Yes	Yes
11	11	50	45	51	<b>54</b>	Yes	Yes	Yes
12	12	49	44	50	<b>53</b>	Yes	Yes	Yes
13	13	48	43	49	<b>52</b>	Yes	Yes	Yes
14	14	48	43	48	<b>52</b>	Yes	Yes	Yes

**Notes:** 1. Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s).



**Appendix I-2  
 FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)  
 Noise Barrier Effectiveness Prediction Worksheet**

**Project Information:** Job Number: 2021-107  
 Project Name: Lincoln Square Mixed-Use Development  
 Roadway Name: Vaughn Road

**Noise Level Data:** Year: Future  
 Auto DNL (dB): 58  
 Medium Truck DNL (dB): 51  
 Heavy Truck DNL (dB): 56

**Site Geometry:** Receiver Description: Nearest outdoor activity areas  
 Centerline to Barrier Distance (C<sub>1</sub>): 75  
 Barrier to Receiver Distance (C<sub>2</sub>): 10  
 Automobile Elevation: 0  
 Medium Truck Elevation: 2  
 Heavy Truck Elevation: 8  
 Pad/Ground Elevation at Receiver: 0  
 Receiver Elevation: 5  
 Base of Barrier Elevation: 0  
 Starting Barrier Height 6

**Barrier Effectiveness:**

Top of Barrier Elevation (ft)	Barrier Height (ft)	----- DNL (dB) -----				Barrier Breaks Line of Sight to...		
		Autos	Medium Trucks	Heavy Trucks	Total	Autos?	Medium Trucks?	Heavy Trucks?
6	6	52	45	51	<b>55</b>	Yes	Yes	Yes
7	7	50	43	50	<b>53</b>	Yes	Yes	Yes
8	8	49	42	48	<b>52</b>	Yes	Yes	Yes
9	9	48	40	47	<b>51</b>	Yes	Yes	Yes
10	10	47	39	45	<b>49</b>	Yes	Yes	Yes
11	11	45	38	44	<b>48</b>	Yes	Yes	Yes
12	12	45	37	43	<b>47</b>	Yes	Yes	Yes
13	13	44	37	43	<b>47</b>	Yes	Yes	Yes
14	14	43	36	42	<b>46</b>	Yes	Yes	Yes

**Notes:** 1. Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s).

## **Appendix I**

### Lincoln Square Vehicle Miles Traveled (VMT) Analysis



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October 12, 2021

Mr. Nick Pappani  
Raney Planning and Management Inc.  
1501 Sports Drive, Suite A  
Sacramento, CA 95834

**SUBJECT: LINCOLN SQUARE VEHICLE MILES TRAVELED (VMT) ANALYSIS**

Dear Mr. Nick Pappani:

The following VMT Analysis has been prepared for the proposed Lincoln Square development (**Project**), which is located on the intersection of N. Lincoln Street (Vaughn Road) and Lincoln Highway (California State Highway 113) in the City of Dixon.

## **PROJECT OVERVIEW**

The Project is to consist of a fueling station and convenience store along with 101 small lot, with small setback, single-family detached dwelling units. As designed, the proposed Project has a density at 12 units per acre. The density range identified in the City of Dixon's 2040 General Plan for the single-family land use designation is up to 9 units per acre. The density range identified for medium density residential is 10 to 22 units per acre. The density range for the proposed Project's Corridor Mixed Use designation is 12 to 28 dwelling units per acre. The Project's density is more consistent with medium density designation and will be considered as such for the purposes of this analysis.

## **BACKGROUND**

Changes to California Environmental Quality Act (CEQA) Guidelines were adopted in December 2018, which require all lead agencies to adopt VMT as a replacement for automobile delay-based level of service (LOS) as the measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020. To aid in this transition, the Governor's Office of Planning and Research (OPR) released a [Technical Advisory on Evaluating Transportation Impacts in CEQA](#) (December of 2018) (**Technical Advisory**). (2) At the time of this analysis the City of Dixon has not formally adopted its own thresholds and guidelines. Through consultation of City staff the VMT analysis presented in this report has been developed based on the Technical Advisory.

## **PROJECT SCREENING**

Consistent with the Technical Advisory, projects that meet certain screening thresholds based on their location and project type may be presumed to result in a less than significant transportation impact. The following screening criteria are described within the Technical Advisory:



- Small Project Screening
- Map Based Screening
- Transit Priority Area (TPA) Screening
- Affordable Residential Development Screening
- Local Community Serving Project Type Screening

A land use project need only meet one of the above screening criteria to result in a less than significant impact.

### **SMALL PROJECT SCREENING**

The Technical Advisory indicates that projects generating fewer than 110 daily vehicle trips may be presumed to have a less than significant impact. Trips generated by the Project's proposed land uses have been estimated based on trip generation rates collected by the Institute of Transportation Engineers (ITE) Trip Generation Manual, 10<sup>th</sup> Edition, 2017. (1) The proposed Project is anticipated to generate vehicle trip-ends per day above the 110 vehicle trips per day threshold. (See Attachment A)

**Small Project screening criteria is not met.**

### **MAP BASED SCREENING**

As noted in the Technical Advisory, "residential and office projects that locate in areas with low VMT and that incorporate similar features (density, mix of uses, and transit accessibility) will tend to exhibit similarly low VMT." (1) It is our understanding that the City of Dixon has not established screening maps to depict areas of low VMT within the City.

**Map Based screening criteria is not met.**

### **TPA SCREENING**

The Technical Advisory states that projects located within a TPA, ½ mile of an existing "major transit stop,"<sup>1</sup> or an existing stop along a "high-quality transit corridor"<sup>2</sup> will have a less than significant impact on VMT. According to the Screening Tool results, the proposed Project is within a TPA.

Once a project is determined to be within a TPA, the Technical Advisory also recommends consideration of secondary screening checks. For example, a proposed land use project is **not** eligible for TPA screening if the project meets any of the following sub-criteria:

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<sup>1</sup> Pub. Resources Code, § 21064.3 ("Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").

<sup>2</sup> Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

- 1) Has a Floor Area Ratio (FAR) of less than 0.75;
- 2) Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
- 3) Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
- 4) Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

The proposed Project is located within a TPA.

**TPA screening criteria is not met.**

### **LOCAL COMMUNITY SERVING RETAIL SCREENING**

The Technical Advisory identifies local serving retail uses are presumed to have a less than significant impact absent substantial evidence to the contrary. By adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. The Project, as designed includes a fueling station and convenience store to serve the residential component of the Project as well as the nearby local community. The retail component of the project would therefore shorten trips for the Project residents and the local community that would have traveled otherwise for the services provided by the Project's retail component.

**Local Community Serving Project Type screening criteria met for retail component only.**

As none of the aforementioned screening criteria has been met for the residential component of the Project. A project level VMT analysis shall be prepared.

### **PROJECT LEVEL VMT**

Technical Advisory identifies the correct tool to perform a VMT analysis should be consistent with the tool that was used to generate the jurisdictional averages for which a project resides, for an apples-to-apples comparison. The City of Dixon has developed their own Dixon Travel Demand Model (**City Model**) with the assistance of DKS Associates. In an effort to provide a project level VMT analysis consistent with the City's baseline VMT data; Urban Crossroads has coordinated with DKS Associates, to obtain project level VMT calculations for Baseline conditions, project level model runs, and calculations of project generated VMT by the Project's traffic analysis zones (TAZ) (see Attachment A).

The City model is a three-step model maintained by the City of Dixon to forecast local vehicular traffic flows. The model's baseline scenario was calibrated to land use as of late 2018 and spring 2019 traffic counts. Model inputs include housing units, and employment by type. The model outputs include average weekday trip generation and distribution, as well as traffic assignments by time period.

The model study area includes the land within the Dixon city limits as well as a few adjacent Sphere of Influence zones in unincorporated Solano County. The model network links at the gateway zones include a distance adjustment to estimate the true trip length of trips entering and leaving the model study area.

These distance adjustments were derived from average trip lengths for trips crossing these gateways in the California Statewide Travel Demand Model. Thus, the Dixon travel model can be used to estimate total daily VMT for both internal-internal trips and internal-external trips. While the City of Dixon has not officially adopted VMT baselines and thresholds of significance, a reference baseline was calculated for the purposes of this analysis. Most steps are carried out within the travel demand model with final processing in a spreadsheet as follows:

1. Sum daily trip matrices in production-attraction format for all home-based trip purposes (home based work, home based local shopping, home-based regional shopping, home-based school, and the home-based other).
2. Multiply home-based trip matrices by distance skim matrix for the midday period to calculate a home-based VMT matrix
3. Multiply home-based work matrix by distance skim matrix for the a.m. peak period to calculate a home-based work VMT matrix
4. Export row and column sums of the VMT matrices to a table that includes trips and VMT for every Transportation Analysis Zone (TAZ) as the production (residential location) and attraction (employment location) zone.
5. Combine the tabular VMT outputs with population and jobs by TAZ to calculate the relevant VMT metrics.

Note that the model does not use population as a direct input. For this purpose, population by TAZ as developed for the Dixon General Plan 2040 land use analyses was combined with travel model inputs. Baseline study area VMT metrics reflect the 2018 model calibration scenario. As shown in Table 1, the daily VMT per capita for the City of Dixon is 21.78.

**TABLE 1: CITY OF DIXON DAILY VMT PER CAPITA**

	Baseline
City of Dixon VMT per Capita	21.78

Table 2 summarizes the residential density factor for the Project based on information derived from the California Department of Finance of 3.11 persons per household<sup>3</sup>.

**TABLE 2: SED DENSITY FACTORS ESTIMATES**

	Project
Households	101
Density Factor	3.11 persons per household
Population	314

<sup>3</sup> California Department of Finance; Table E-5

To prepare a project level VMT analysis, the Project’s residential land use program was entered into City Model. The VMT calculation steps described above to capture citywide VMT were repeated to observe how the VMT at the TAZ level has changed with the addition of the Project’s land use characteristics as provided in Table 3.

**TABLE 3: PROJECT VMT PER CAPITA**

	Baseline
VMT per capita	17.26

Table 4 illustrates a comparison between the Project’s Baseline VMT per capita to the City of Dixon’s citywide VMT per capita. As noted in the Technical Advisory “residential projects exceeding a level of 15% below existing VMT per capita may indicate a significant transportation impact.”<sup>4</sup> The Project’s VMT per capita is 20.75% below the City’s VMT per capita. Therefore, the Project’s VMT impact is presumed to be less than significant.

**TABLE 4: PROJECT GENERATED VMT PER CAPITA COMPARISON**

	Baseline
City of Dixon VMT per capita	21.78
Project VMT per SP	17.26
Percent Change	-20.75%
Potentially Significant?	No

## CONCLUSION

The Project’s retail component was found to meet the Technical Advisory’s local community retail screening criteria for the Project’s retail component. However, the remaining residential land use component of the Project did not meet any of the screening criteria and a project level VMT analysis was performed. Results from the VMT analysis finds that the Project has a less than significant VMT impact for project generated VMT per capita as compared to the Citywide VMT per capita.

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<sup>4</sup> Technical Advisory Page 15

Mr. Nick Pappani  
Raney Planning and Management Inc.  
October 12, 2021  
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If you have any questions, please contact me directly at 949-660-1994.

Respectfully submitted,

URBAN CROSSROADS, INC.

A handwritten signature in black ink, appearing to read 'Alex So', with a long horizontal flourish extending to the right.

Alex So  
Senior Analyst

Mr. Nick Pappani  
Raney Planning and Management Inc.  
October 12, 2021  
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## REFERENCES

1. **Office of Planning and Research.** *Technical Advisory on Evaluating Transportation Impacts in CEQA.* State of California : s.n., December 2018.
2. **Institute of Transportation Engineers.** *Trip Generation Manual.* 10th Edition. 2017.

**ATTACHMENT A**  
**PROJECT TRIP GENERATION SUMMARY**

### Project Trip Generation Summary

Land Use <sup>1</sup>	ITE LU Code	Units <sup>2</sup>	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
<b>Trip Generation Rates:</b>									
Single Family Detached Residential	210	DU	0.19	0.55	0.74	0.62	0.37	0.99	9.44
Super Convenience Market/Gas Station	960	VFP	14.04	14.04	28.08	11.48	11.48	22.96	230.52

<sup>1</sup> Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Tenth Edition (2017).

<sup>2</sup> DU = Dwelling Units; VFP = Vehicle Fueling Positions

Project	Quantity Units <sup>1</sup>	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
<b>Project Trip Generation Summary:</b>								
Single Family Detached Residential	101 DU	19	56	75	63	37	100	954
Residential to Retail Internal Capture Reduction <sup>2</sup>		0	-1	-1	-29	-16	-45	-430
<b>Residential Subtotal</b>		<b>19</b>	<b>55</b>	<b>74</b>	<b>34</b>	<b>21</b>	<b>55</b>	<b>524</b>
Super Convenience Market/Gas Station	16 VFP	225	225	450	184	184	368	3,688
Retail to Residential Internal Capture Reduction <sup>2</sup>		-1	0	-1	-16	-29	-45	-430
Pass-by Reduction (AM = 62%; PM/Daily = 56%)		-139	-140	-279	-99	-96	-195	-1,964
<b>Retail Subtotal</b>		<b>85</b>	<b>86</b>	<b>171</b>	<b>69</b>	<b>59</b>	<b>128</b>	<b>1,294</b>
<b>Project Total</b>		<b>104</b>	<b>141</b>	<b>245</b>	<b>103</b>	<b>80</b>	<b>183</b>	<b>1,818</b>

<sup>1</sup> DU = Dwelling Units; VFP = Vehicle Fueling Positions



**ATTACHMENT B**  
**MODELING AND VMT CALCULATIONS FOR LEWIS DEVELOPMENT**



## MEMORANDUM

DATE: September 18, 2021

TO: Alex So | Urban Crossroads  
Nick Pappani | Urban Crossroads

FROM: Erin Vaca | DKS Associates

SUBJECT: Modeling and VMT Calculations for Dixon Lewis Development      Project #21171

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### BACKGROUND AND INTRODUCTION

The Project includes 101 residential units, a fueling station, convenience store, and car wash on the southwest corner of First Street and Vaughn Road in Dixon, California. The project approval process requires an examination of the VMT characteristics of the project for the purposes of CEQA. DKS has calculated baseline VMT metrics on a citywide basis as well as the VMT characteristics of the project site using the City of Dixon's travel demand model. This memorandum documents the methodology and presents summary results.

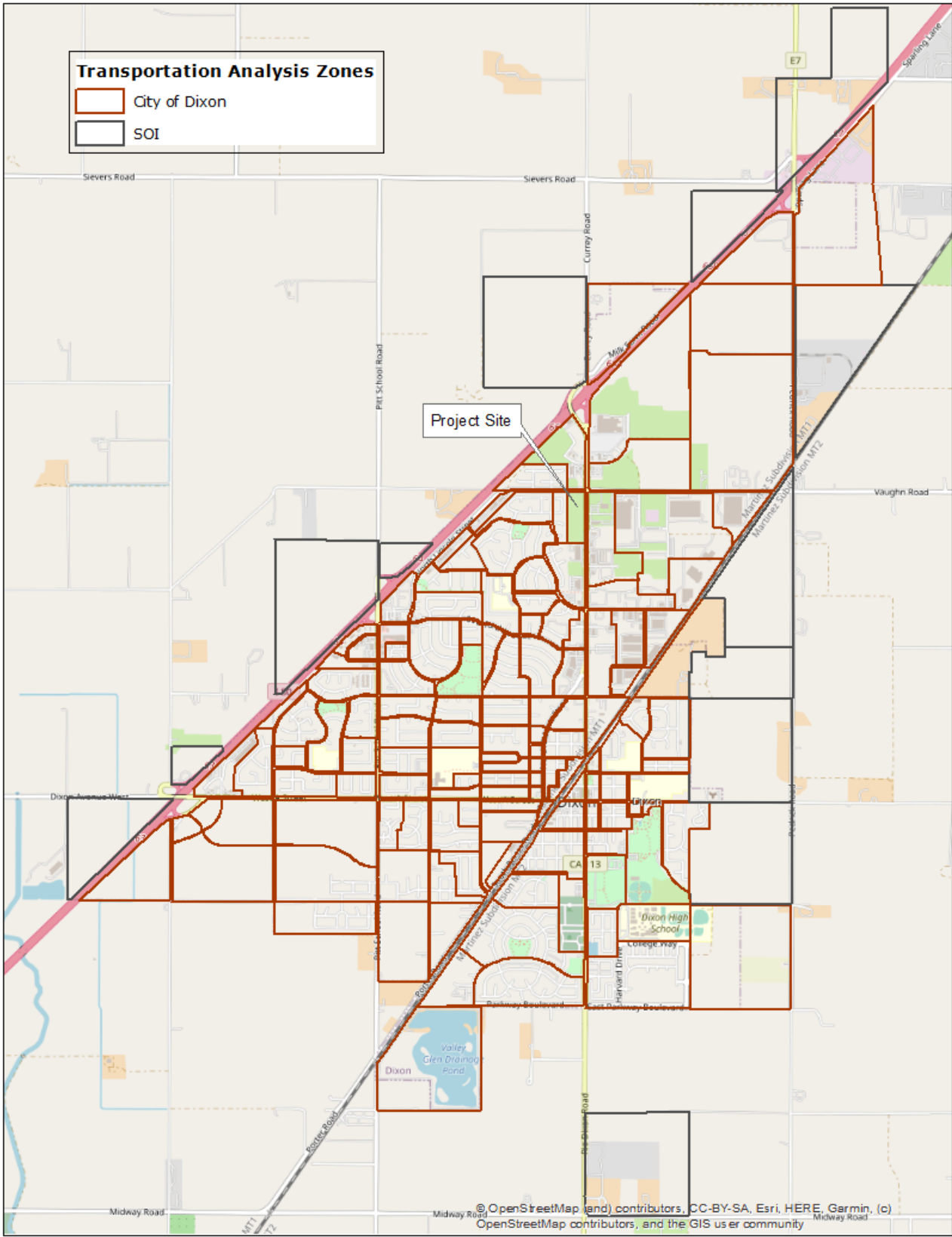
### METHODOLOGY AND INPUTS

#### DIXON TRAVEL DEMAND MODEL

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The Dixon travel demand model is a three-step model maintained by the City of Dixon to forecast local vehicular traffic flows. The model's baseline scenario was calibrated to land use as of late 2018 and spring 2019 traffic counts. Model inputs include housing units, and employment by type. The model outputs include average weekday trip generation and distribution, as well as traffic assignments by time period.

The model study area includes the land within the Dixon city limits as well as a few adjacent Sphere of Interest zones in unincorporated Solano County (**Figure 1**). The model network links at the gateway zones include a distance adjustment to estimate the true trip length of trips entering and leaving the model study area. These distance adjustments were derived from average trip lengths for trips crossing these gateways in the California Statewide Travel Demand Model. Thus, the Dixon travel model can be used to estimate total daily VMT for both internal-internal trips and internal-external trips.



**FIGURE 1. DIXON TRAVEL DEMAND MODEL STUDY AREA**

More information on the model can be found in the model development report (*City of Dixon Travel Model Update*, October 2019).

## BASELINE VMT CALCULATION

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While the City of Dixon has not officially adopted VMT baselines and thresholds of significance, a reference baseline was calculated for the purposes of this analysis. Most steps are carried out within the travel demand model with final processing in a spreadsheet as follows:

1. Sum daily trip matrices in production-attraction format for all home-based trip purposes (home based work, home based local shopping, home-based regional shopping, home-based school, and the home-based other).
2. Multiply home-based trip matrices by distance skim matrix for the midday period to calculate a home-based VMT matrix
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4. Export row and column sums of the VMT matrices to a table that includes trips and VMT for every Transportation Analysis Zone (TAZ) as the production (residential location) and attraction (employment location) zone.
5. Combine the tabular VMT outputs with population and jobs by TAZ to calculate the relevant VMT metrics.

Note that the model does not use population as a direct input. For this purpose, population by TAZ as developed for the Dixon General Plan 2040 land use analyses was combined with travel model inputs. Baseline study area VMT metrics reflect the 2018 model calibration scenario.

## WITH PROJECT VMT CALCULATIONS

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To forecast its VMT characteristics, the proposed Project land use program was entered into the travel model's land use inputs. The Project site is currently undeveloped and corresponds to TAZ 109, as highlighted in **Figure 1**. The following land use was added to this TAZ:

- 101 dwelling units (both single family and multifamily options were tested)
- 11 retail jobs

For VMT metric calculations, the population of the Project site was estimated at 3.11 persons per dwelling unit, per the California Department of Finance Table E-5.

The VMT calculation steps described above were repeated in order to observe how VMT at the TAZ level changed with the addition of Project land use.

## RESULTS

Baseline (existing condition) VMT metrics are reported in Table 1 for the City of Dixon and the model study area. Since the model does not take population as a direct input, the home-based VMT per dwelling unit is reported for informational purposes.

Table 2 summarizes VMT metrics for the Project site. The residential units are detached but planned at a much higher density than most single family. Note that single family residential units are assumed by the model to generate only about 70 percent of the daily trips generated by multifamily units. Also note that the same population per dwelling unit was assumed for both types of residential uses (3.11 persons per unit or a population of 314).

**TABLE 1: BASELINE VMT METRICS**  
2018 MODEL CALIBRATION SCENARIO

GEOGRAPHIC AREA	HOME-BASED VMT/CAPITA	HOME-BASED VMT/DU	HBW VMT/JOB
CITY OF DIXON ONLY	21.78	66.95	14.75
CITY OF DIXON + SOI	21.80	66.99	14.66

Source: DKS Associates.

**TABLE 2: PROJECT VMT METRICS**  
EXISTING PLUS PROJECT SCENARIO

GEOGRAPHIC AREA	HOME-BASED TRIPS <sup>a</sup>	HOME-BASED VMT/CAPITA	HOME-BASED VMT/DU	HBW TRIPS <sup>b</sup>	HBW VMT/JOB
PROJECT SITE – WITH SFDU <sup>c</sup>	769	21.43	68.58	16	15.15
PROJECT SITE – WITH MFDU <sup>c</sup>	587	17.26	53.68	16	15.16

a. Daily trip ends at residential location

b. Daily trip ends at employment location

c. Proposed Project would occupy entirety of TAZ 109

Source: DKS Associates.